ATLAS

OF THE

MARITIME PROVINCES

OF THE

DOMINION OF CANADA.

WITH HISTORICAL AND GEOLOGICAL DESCRIPTIONS

Carefully drawn from New and Complete Surveys, the British Admiralty Charts, the National Boundary Survey, Railway and Government Surveys, and the Latest and Most Reliable Maps.

BY A CORPS OF COMPETENT ENGINEERS AND DRAUGHTSMEN.

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THE MARITIME PROVINCES.

THEIR GEOGRAPHY, HISTORY, PRODUCTS, &c., &c.

By DUNCAN CAMPBELL, Author of Histories of Nova Scotia, Prince Edward Island, etc.

NEW BRUNSWICK.

New Brunswick extends from Lat. 45° 5′, to 48° 40′. Its greatest length from N. to S. is about two hundred and thirty miles; breadth, one hundred and ninety miles. Its area is about 27,322 square miles. It has a coast line little short of 500 miles. It is bounded on the north by the Bay of Chaleurs and Lower Canada, on the east by the Gulf of St. Lawrence and Nova Scotia, on the south by the Bay of Fundy, and on the west by the State of Maine. The space to which this paper must be confined, prevents an extended historical sketch of the province, or any lengthened description of it. New Brunswick is too little known, and therefore not appreciated in regard to its capabilities for agriculture, as well as the beauty of its scenery. The surface of the country is diversified with hill and dale, mountain and valley, picturesque lakes and noble rivers. The history of this Province is blended with that of Nova Scotia till the year 1784, when a separation took place. For 250 years—from the time that Jacques Cartier made his first voyage to the new world and entered the Bay of Chaleurs, till 1784, New Brunswick formed part of the Province of Acadie, or the British Province of Nova Scotia. In 1639 French settlements were made on the Bay of Chaleurs, and in 1672 on the river Miramichi, and on other parts of the eastern coast. We may here state that the Miramichi is one of the largest rivers in the Province, its total length being about 220 miles, and the entrance about nine miles in width. The principal towns on the river are Nelson, Newcastle, Douglas and Chatham. In 1783 a large number of loyalists settled in the Province, enduring hardships incident to settlement in a new country, of which their descendants can form but an inadequate conception. On New Brunswick being separated from Nova Scotia it prospered greatly. Under Thomas Carleton, the first governor, whose administration lasted for nearly twenty years, a regular government was established. On the return of the first governor to England, the administration of the government was committed to officers styled Presidents. The duty imposed by the British Parliament on Baltic timber in 1809, whilst that imported from the Colonies was admitted free, imparted a great stimulus to the lumbering business of the Province.

The conflagration in Miramichi in 1825 was unexampled in its extent and destructiveness. It covered an area of 6,000 square miles—about 500 lives were lost and much property destroyed. Twelve years later the city of St. John was subjected to a destructive fire by which 115 houses, and property to the value of a million dollars were destroyed. These calamities by fire were almost eclipsed by the fire to which that flourishing city was subjected in 1877. But it has been rebuilt with an energy and enterprise which have effaced all external evidence of the severity of the disaster.

The boundary between the State of Maine and the Province was long disputed, but the Ashburton treaty of 1842 settled the question. The disputed territory consisted of about 12,000 square miles, or 7,700,000 acres. Maine received 4,500,000 acres, and New Brunswick 3,200,000. The Constitution of the Province was, previous to confederation, like that of the sister Provinces—embracing a Governor, Legislative Council and House of Assembly.

The Province is divided into fifteen Counties, the names of which, and population, with the capitals, are exhibited in the following table, taken from the census of 1871:—

COUNTIES.	POPULATION.	COUNTY TOWNS.
Albert	10,672	Hopewell.
Carleton	19,938	Woodstock.
Charlotte	25,822	St. Andrews.
Gloucester	18,110	Bathurst.
Kent	19,101	Richibucto.
Kings.	24,953	Hampton.
Madawaska . . .		Edmonton.
Northumberland .	20,116	Newcastle.
Queens	13,847	Gagetown.
Restigouche . .	5,575	Dalhousie.
St. John.	52,303	St. John.
Sunbury.	6,825.	Oromocto.
Victoria.	11,641	Grand Falls.
Westmorland . .	29,335	Dorchester.
York	27,140	Fredericton.
Total	285,378	. . . . .

The various religious denominations were at the last census as follows:

Church of England	45,481
Church of Rome	96,016
Church of Scotland	9,530
Presbyterians	29,322
Baptists	70,597
Wesleyan Methodists	26,212
Other Methodists	3,523
Congregationalists	1,193
Other denominations	3,149
Of no religion	131
No creed stated	392
Jews	48
Total	285,594

The metropolis of New Brunswick is St. John—a city admirably situated for commercial purposes, and the business portion of which, as we have already stated, has been rebuilt after the destructive fire by which it was reduced to ashes. St. John is distinguished for its manufacturing enterprise, and has given indications of rapid extension. The dutiable goods imported into New Brunkswick in the year ending 30th June, 1878, amounted in value to $6,780,189; free goods, $1,693,574—the total imports being estimated at $8,473,763. The total duty collected in the Province for that year was $1,448,638. The imports from Great Britain were valued at $4,037,321; the United States $4,213,776—showing a small balance in favor of the States. The amount of duty collected on British goods was $788,468; on States goods, $576,620.

The total exports from New Brunswick during the same year were valued at $6,268,027. It is gratifying to notice that from the mines of the Province, $165,492 worth was exported. Fish to the value of $880,445 was exported. The exports from the Forest were, Produce, $4,269,663; *Not Produce*, $291,427. Very valuable seams of coal are being worked with energy and enterprise, and it may be safely affirmed that the present coal exports of the Province are trifling as compared to what they are destined to become, as the mineral resources of the country become more fully developed. The exports of manufactures amounted in all during the last year to $520,912.

The following statement shows the number and tonnage of vessels built in the Province during the past fiscal year:

BUILT AT	NO.	TONS.
Chatham	11	3,265
Dorchester . . .	4	1,906
Hillsborough . .	1	64
Sackville	2	469
St. Andrews . . .	5	71
St. John	27	20,531
Total . . .	50	26,306

The number of ships, old or new, sold to other countries was twenty-one with a tonnage of 8,777—valued at $273,485.

Remarks regarding climate which apply to New Brunswick are equally applicable to Nova Scotia. The peculiarity which is most striking to an immigrant from Britain, is the comparatively great heat in summer and extreme cold in winter, by which our climate is distinguished. The question as to which country is best adapted for agricultural purposes has been often discussed. Britain enjoys the advantage of early springs. There growth is extremely gradual, but after all the season of harvest is not earlier than here. In Britain the operation of ploughing can be carried on during almost the whole winter. The mildness of the season causes a comparatively slight consumption of fuel, but here the farmer as a rule can provide fuel at little cost, while in the old country it consists almost exclusively of coal, which must be purchased at the ordinary market rate. Sheep thrive in the open fields during winter in Britain on turnips and other esculents, and cattle can be turned into the fields early in spring, but to counterbalance these advantages the autumn is shorter than in this country. The climate of Britain is extremely humid, and fine weather during harvest operations is less frequently enjoyed than here It is supposed by some that the extremely rapid growth in North America renders cereals and esculents less nourishing than in the old country. This appears to be a mistake. Let the finest American wheat and the finest Scotch or English be ground into flour and made into bread, and who will venture to say that the former is in any respect inferior to the latter? Then this country has the great advantage of a virgin soil, much of which requires little manure. It seems a mystery to the writer that the farmers of New Brunswick, Nova Scotia and Prince Edward's Island, who are proprietors, are not in far more comfortable circumstances. In Great Britain few farmers own the farms they occupy. They rent them from the landed proprietors at rates which would be regarded in this country as enormous, paying annually from ten to thirty dollars per acre, yet many of them live like gentlemen, and make money. The remarkable success of farming operations in the old country is mainly attributable to the system of thorough, deep draining to which every farm of value is subjected. The expense is considerable, but the return in increase of quantity and quality of yield makes the operation a profitable one. The government has from time to time granted loans at moderate interest, to be applied in draining, and the proprietors have availed themselves of them, to their own profit and the benefit of their tenants. The adoption of a similar system in the Dominion would tend to a development of its agricultural resources which few estimate.

The resources of New Brunswick are less known than those of Nova Scotia. The agricultural capabilities of the former Province are superior to those of the latter. The extent to which lumbering has been prosecuted has tended to divert attention from the cultivation of the soil, but as timber gets scarce, persons engaged in the trade will naturally direct their energies in an agricultural direction, and thus the Province will be greatly benefited. Sir Howard Douglas, who was Governor of the Province half a century ago, may be said to have done it the same service in the matter of agriculture that John Young did for Nova Scotia, for in 1825 he assembled the members of the Legislature and others at Fredericton, and addressed them on the necessity of extending agriculture, and improving

the waste lands. Thus a stimulus was given to the business which resulted in the formation of agricultural societies, through whose instrumentality improved breeds of animals were imported, and superior agricultural implements introduced. Governors who signalize their tenures of office by rendering important service to the countries over which they preside, ought to be held by succeeding generations in respectful and grateful remembrance.

The following is a statement of the annual transactions of the Savings Banks of New Brunswick from 1st July, 1877, to 30th June, 1878.

BANKS.	BALANCE 1ST July, 1877.	DEPOSITS.		TOTAL.	WITHDRAWALS.	BALANCE, 30TH JUNE, 1878.
		CASH.	INTEREST ALLOWED.			
Bathurst	$39,363.53	$15,185.00	$1,486.06	$56,034.59	$19,661.53	$36,373.06
Chatham	124,044.09	53,020.00	5,162.83	182,226.92	52,477.50	129,749.42
Dalhousie	109,344.94	48,502.63	4,360.17	162,207.74	54,530.70	107,677.04
Dorchester	4,179.20	5,286.11	160.27	9,625.58	3,113.13	6,512.45
Fredericton	84,915.84	136,267.00	3,199.39	194,382.23	100,246.60	94,135.63
Hillsboro'	5,411.29	8,265.34	181.99	13,858.62	9,421.27	4,437.35
Moncton	46,171.04	84,020.00	1,473.01	131,664.05	96,113.88	35,550.17
Newcastle	95,593.60	53,059.00	3,555.38	153,207.98	67,916.94	85,291.04
Richibucto	30,875.43	26,276.00	1,483.11	58,634.54	20,257.33	96,919.59
St. Andrews	76,157.09	53,982.00	3,452.42	133,591.51	36,671.92	1,093,377.99
St. John	649,679.24	1,143,741.00	43,017.22	1,837,037.46	743,659.47	61,755 41
Woodstock	42,744.26	105,584.68	2,503 01	150,831.95	89,036.54	. . . . .
Total	$1,279,479.55	$1,733,188.76	$70,634.86	$3,083,303.17	$1,293,106.81	$1,790,196.36

N. B.—The above balance is composed of—Savings Banks . . . $1,788,927.55
" Suspense . . 805.75
" Interest . . . 463.06
Total $1,790,196.36

Included in the amount withdrawn in 1877-78 is $111,000 which has been transferred to five per cent. Dominion Stock, B issue.

The number of Public Schools in New Brunswick in the year 1878 was 1,343—increase, 38; Teachers, and Assistants, 1,384—increase, 34; pupils, 56,463—increase, 1991; number of pupils at School during the year, 68,780.

The proportion of the population of the Province attending the Public Schools during the term ending October 31st, 1878, was 1 in 5.06 of the population—increase, 1 in 143.54 of the population.

The proportion of the population of the Province attending the Public Schools during the year ending October 31st, 1878, was 1 in 4.15—increase, 1 in 292.51, of the population.

Attendance of Pupils from 1861 to October 31st, 1878:

DATE.	WINTER.	SUMMER.	DURING YEAR.
1861	25,618	27,982	Not reported.
1862	26,401	28,630	
1863	27,078	28,487	
1864	27,171	30,632	
1865	27,879	30,496	
1866	28,333	30,264	
1867	28,725	31,364	
1868	28,226	31,988	
1869	30,432	33,327	
1870	31,487	34,336	
1871	32,673	33,981	
1872	28,756	39,837	
1873	40,405	42,611	
1874	44,785	45,561	
1875	46,039	48,340	62,349
1876	47,870	52,020	64,689
1877	51,588	54,472	67,803
1878	52,763	56,463	68,780

The following is a list of the Newspapers published in St. John:

THE TELEGRAPH . . . . . Daily and Weekly
THE SUN . . . . . " "
THE NEWS . . . . . " "
THE FREEMAN . . . . . Weekly.

NOVA SCOTIA.

Nova Scotia is situated between N. Lat. 43.25, and 46.0, and W. Long. 61.0, and 66.30, and connected with the south-east part of the continent by an isthmus of only a few miles in width. It is bounded on the north by the Strait of Northumberland, New Brunswick and Bay of Fundy; on the east and south by the Atlantic ocean, and on the west by the Bay of Fundy and Atlantic ocean. Its extreme length, from Cape North on the east, to Cape St. Mary's on the west, is about 365 miles; its breadth varies from 50 to 100 miles; and it contains a superficies of 15,607 square miles. From this, however, about one-fifth may be deducted for lakes, arms of the sea and rivers, leaving about 8,000,000 acres of land, a very large proportion of which is still uncleared, and covered with forests. Along the south-east shore there is a number of noble harbors. The surface is undulating, and there are no mountains much beyond 800 feet above the level of the sea.

The first attempt at settlement was made by the Baron de Lery, in the year 1518. In the year 1603 Sieur de Monts received a patent from King Henry the Fourth constituting him Lieutenant-General of Acadia. De Monts accordingly fitted up four vessels in which a number of emigrants embarked, who settled finally at Annapolis. In 1613 the French were expelled from Annapolis, and in 1721 King James the First made a grant of extensive Acadian territory to Sir William Alexander. In 1632 peace between Great Britain and France was proclaimed, and by the Treaty of Saint Germains, Acadia and other territory on the continent of America were restored to the French crown. Cromwell afterwards wrested Nova Scotia and adjoining country from France. Britain retained possession of Nova Scotia from the period of Cromwell's expedition in 1654 to 1670. For a considerable period thereafter Nova Scotia was in possession of the French, but subsequently by the Treaty of Utrecht it was permanently ceded to Great Britain.

Halifax, the capital of Nova Scotia, was founded in 1749. Cornwallis arrived on the coast about the middle of June, and such was the energy with which the new settlers worked, that in October they had 300 houses roofed and made habitable. In 1855 it was resolved to remove the Acadians from the Province. This was done in a manner which was positively cruel, and which cannot be justified.

In 1758 Louisbourg was taken by the English, General Wolfe displaying talents in the conduct of the seige which attracted the attention of Europe. The news of the capture of this important fortress was hailed with unbounded satisfaction in Halifax. After the war between America and Great Britain, thousands emigrated from the former country, to Nova Scotia, and what is now New Brunswick. In the year 1818 a stimulus was given to agriculture in the Province by the publication of a series of letters by John Young, a gentleman of ability and force of character, and who was the originator of the present agricultural societies of the Province, and who wrote under the name of "Agricola." Mr. Young died in 1837 in the sixty-fifth year of his age.

The late Joseph Howe became celebrated in the annals of the Province by an article which he published in 1835, attacking the Magistrates of Halifax, which letter formed the ground of an action, in which Mr. Howe conducted his own defence to a triumphant issue. An agitation took place in the Province in 1840, which led to the concession of responsible government. In 1864 was passed the Educational Act, which on the whole has worked well, and has been of inestimable benefit to the Province. When steps were taken to effect the confederation of the Provinces, they met with some opposition in Nova Scotia. The Confederation Bill was passed in the British Parliament on the 29th of March, 1867, becoming on the first of July of the same year the Constitution of the Dominion of Canada.

Nova Scotia is divided into eighteen counties. The last census was taken in 1871. The population of the Province, including Cape Breton, in 1861, was 330,857; when taken in 1871 it was 387,800, showing an increase in ten years of 58,943. The sexes are well balanced in the Province, the number of males being in 1871—193,792, and of females 194,008, showing a balance of only 216 in the entire Province in favor of the latter.

The following table shows the census in 1861 and 1871 respectively, as to the leading religious denominations in the Province:

DENOMINATION.	1861.	1871.
Baptists	55,336	73,430
Roman Catholics	86,281	102,001
Church of England	47,744	55,124
Methodists	34,055	38,683
Presbyterians	88,579	103,539
Congregationalists	2,183	2,538

The following table shows the origin of the bulk of the people of the Province:

English	113,529
Scotch	130,741
Irish	62,851
French	32,833
German	31,921

Nova Scotia is famous for the extent of its coal fields. The coal deposits have not been sufficiently explored to justify a positive statement as to the quantity in the Province, including Cape Breton. It is, however, very large. The Sydney coal field—the most extensive in the Province—extends from Mira Bay on the east to Cape Dauphin on the west, a distance of 31 miles; a tract of country occupying about 200 square miles. The greatest quantity of coal which has been excavated and sold in Nova Scotia in any one year was in 1873, when it reached 1,057,467 tons. The quantity of output during the year 1878 was 770,603 tons. The usual quarries of gypsum, freestone, &c., have been worked, and have during 1878, produced the usual average quantity. Barytes on a small scale has been mined at Greenfield on the Intercolonial Railway.

The following statement in reference to Gold shows the number of mines at work in Nova Scotia, days labor performed, quantity of quartz, &c., crushed, yield of Gold, &c &c., for the twelve months ending December 31st, 1878.

DISTRICTS.	NUMBER OF MINES.	DAYS LABOR.	MILLS EMPLOYED. STEAM POWER.	MILLS EMPLOYED. WATER POWER.	QUARTZ, &c., CRUSHED.	YIELD PER TON. Oz.	YIELD PER TON. Dwt.	YIELD PER TON. Gr.	MAXIMUM YIELD PER TON. Oz.	MAXIMUM YIELD PER TON. Dwt.	MAXIMUM YIELD PER TON. Gr.	TOTAL YIELD OF GOLD. Oz.	TOTAL YIELD OF GOLD. Dwt.	TOTAL YIELD OF GOLD. Gr.	AVERAGE YIELD PER MAN PER DAY FOR TWELVE MONTHS, AT $16.00 PER OZ.
Caribou	6	9,188	3	3 ...	929	1	8	8	2	13	12	1,090	12	10	$2.01
Gay's River	2	3,620	4	4 ...	1,126	..	4	7	..	10	12	843	11	16	1.31
Montague	2	2,065	3	3 ...	192	..	10	12	3	6	17	158	6	12	1.37
Oldham	3	10,599	2	1 1	1,808	..	19	5	9	8	20	1,737	9	9	2.05
Renfrew	1	1 769	1	1 1	380	..	8	5	1	16	...	155	17	10	1.58
Sherbrooke	15	50,827	7	4 3	9,349	..	14	17	5	2	17	6,843	1	15	2.42
Stormont	1	3,015	..	.....	74	1	8	19	1	14	11	106	10	.....	0.64
Tangier	4	10,146	3	1 2	1,035	..	11	7	4	2	18	584	10	22	1.03
Uniacke	4	5,711	2	2 ...	704	..	17	21	6	2	9	629	5	7	1.98
Waverley	3	6,727	2	1 1	1,197	..	8	8	1	9	...	498	12	8	1.33
Wine Harbor	2	4,471	2	1 1	814	..	12	2	8	13	14	492	13	12	1.98
Unproclaimed, &c.	2	2,284	2	2 2	591	..	5	3	..	9	7	100	10	15	.79
Total	45	110,422	31	20 11	17,999	13	23	9	8	20		12,577	1	22	$2.05

The value of the dutiable goods imported into Nova Scotia during the fiscal year ending the 30th June, 1878, was $5,348,583; free goods $2,832,118, making a total of $8,180,701. The duty collected was 1,217,491. The exports from Nova Scotia during the same year amounted in value to $7,500,783. According to a return before us we give the number of men, vessels and boats employed respectively, at the last census in the Provinces of Ontario, Quebec, New Brunswick and Nova Scotia:

PROVINCES.	NO. VESSELS.	NO. OF MEN.	NO. OF BOATS.	NO. MEN.
Ontario	20	73	1,154	2,307
Quebec	110	801	4,271	6,929
New Brunswick	139	537	3,003	4,776
Nova Scotia	710	5,469	7,941	11,855
Total	979	6,880	16,369	25,867

Manufactures are only prosecuted in the Province to a very limited extent, bearing in no leading department a favorable comparison with the resources available, if the manufacture of boots and shoes be excepted.

On the meteorology of the Province Mr. F. Allison has recently published an interesting article, full of valuable information. We have a larger precipitation in Nova Scotia than in many of the other Provinces. We give the concluding words of his paper, which appears in the proceedings of the Nova Scotia Institute of Natural Science: "Our large precipitation would be troublesome did it come in smaller quantities on many days; but this is not so, and we enjoy the further advantage of having a great number of fair days. Thus Toronto, with an average fall of only 35.5 inches, scores but 186 fair days, while Halifax, with 53 inches rain and melted snow, has still an average of 204 days completely dry. Again, to show how free this Province is from the light, drizzling rains common in many other parts of the north temperate zone, the average rain fall of the London district for 60 years is about 24.5 inches—less than half of our total precipitation, while the number of wholly dry days is very much the same in any year.

We now present a statement of the transactions of the Government Savings Bank of Nova Scotia from 1st July, 1877, to 30th June, 1878:

BANKS.	BALANCES. 1ST JULY, 1877.	DEPOSITS. CASH.	DEPOSITS. INTEREST ALLOWED.	TOTAL.	WITHDRAWALS.	BALANCE 30TH JUNE, 1878.
Acadia Mines	$5,330.46	$9,701.00	$291.45	$15,322.91	3 691.03	11,631.88
Amherst	23,392.88	58,570.00	1,024.22	82,927.10	55,058.87	27,868.23
Antigonish	2,417.26	2,511.00	102.37	5,030.63	2,672.25	2,358.38
Annapolis	22,587.08	7,334.22	1,076.88	96,998.18	60,984.85	36.013.33
Arichat	83,218.39	53,176.00	3,624.78	140,019.37	45,092.49	94,926.88
Baddeck	10,916.14	9,385.00	421.57	20,722.71	11,114.45	9,608.26
Bridgewater	2,768.83	9,863.50	148.92	12,781.25	7,512.97	5,268.28
Barrington	.....	2,169.00	8 73	2,177.73	.....	2,177.73
Digby	21,042.55	48,162.00	850.53	70,055.08	46,974.06	23,081.02
Guysboro'	21,734.93	17,920.00	920.81	40,575.74	19,994.03	20,581.71
Halifax	1,249,276.14	802,960.50	51,307.36	2,103,634.00	714,518.63	1,389,115.37
Kentville	12,322.81	37,920.00	620.05	50,873.46	31,571.67	19,301.79
Little Glace Bay	3,022.04	2,788.00	122.54	5,932.58	2,552.63	3,379.95
Liverpool	27,461.79	30,883.00	1,128.21	59,473.00	23,467.57	36,005.43
Lunenburg	22,257.34	11,870.00	878.55	35,005.89	9,671 48	2,534.41
Maitland	2,075.59	4,731.00	113.61	6,920.20	3,049.41	3,870.79
Parrsboro'	8,962.11	11,386.00	355.99	20,704.10	10,333.50	10,370,60
Pictou	15,077.58	5,159 00	596.13	20,832.71	6,122.05	14,710.66
Port Hood	16,939.98	15,370.00	829.10	33,139.08	9,059.91	24,079.17
Shelburne	20,738.31	10,735.47	762.76	32,236.54	14,999.82	17,236.72
Sherbrooke	7,796.98	9,852.25	303.01	17,952.24	7,261.30	10,690.94
Sydney	45,306.33	34,820.97	1,921.86	82,049.16	27,247.18	54,801.58
Truro	44,993.04	115,163.96	2,175.06	162,322.06	88,020.41	74,311.65
Weymouth	7,951.10	10,500.00	308.28	24,819.38	14,132.32	10,687.06
Windsor	213,508.03	135,930.00	9,015.27	358,433.30	139,564.46	218,888.84
Yarmouth	54,186.69	76,161.00	2,235.16	132,582.85	68,864.56	63,718.29
Total	$1,945,294.58	$1,606,962.87	$81,293.80	3,633,531.25	1,423,531.90	2,210,079.35

N. B.—The above balance is composed of Savings Banks $2,204,078.04
" Suspense . . . 3,388.81
" Interest 1,752.50
Total $2.210,019.35

Included in the above amount withdrawn in 1877-78, $127,600 has been transferred to 5 per cent., Dominion Stock, B issue.

The following statement of the relations of population, school attendance, and Provincial Expenditure on the common schools, in the various counties, will be found worthy of examination:

COUNTY.	ACREAGE.	NO. SECTIONS.	POPULATION.	PUPILS REGISTERED.	GOVERNMENT GRANT.	COST TO GOVERNMENT PER PUPIL.
Annapolis	837,000	102	18,121	5,020	$9,096.09	$1.81
Antigonish	353,520	81	16,512	4,169	6,247.42	1.50
Cape Breton	748,000	120	26,454	6,774	10,572.75	1.56
Colchester	837,000	116	23,331	6,806	9,701.55	1.42½
Cumberland	1,031,875	143	23,518	6,515	9,653.16	1.48
Digby	653,000	74	17,637	4,814	5,773.88	1.20
Guysborough	1,060,000	92	16,555	4,455	5,564.61	1.25
*Halifax	1,055,218	127	27,381	6,996	9,777.46	1.40
Hants	753,000	100	21,302	5,805	8,404.72	1.45
Inverness	886,800	143	23,415	6,993	12,397.88	1.80
Kings	519,000	102	21,509	5,855	8,594.82	1.47
Lunenburg	714,000	135	23,834	4,921	7,400.71	1.50
Pictou	720,496	133	32,114	8,548	12,258.04	1.43
Queens	681,900	47	10,554	2,418	4,144.45	1.77
Richmond	398,880	67	14,268	3,408	5,310.34	1.56
Shelburne	607,000	67	12,417	3,701	4,624.10	1.25
Victoria	767,000	78	11,346	2,951	4,785.75	1.62
Yarmouth	471,000	69	18,550	5,289	6,444.79	1.22

* Exclusive of City.

The following statement shows the attendance of pupils from 1866 to 1878:

YEARS.	No. of Pupils registered in winter.	No. of Pupils registered in Summer.	No. different Pupils registered during the year.
1866	45,131	56,017	71,059
1867	61,818	70,075	83,048
1868	65,083	73,141	88,707
1869	72,756	75,523	93,732
1870	74,321	76,237	94,496
1871	74,759	77,235	92,858
1872	70,780	76,496	91,637
1873	70,329	78,266	93,759
1874	72,645	79,910	93,510
1875	76,349	81,878	94,029
1876	77,593	82,034	94,162
1877	80,788	83,941	100,710
1878	81,523	84,169	101,538

The number of School Sections in Nova Scotia in 1877 was 1,770, being an increase of 16 on the return of the previous year.

The number of Public Schools in operation during the winter term of 1877 was 1,731, being an increase of 187 on the previous year.

The pupils registered in the winter term of 1877 were 80,788, being an increase on 1876 of 3,195. The total pupils of 1877 were 100,710, being an increase on the previous year of 6,548.

The number of pupils present at the public schools on an average for the time in session—winter term—1877, was 46,300, being an increase on the previous year of 1,794.

The total number of teachers employed in 1877—summer term—was 1,256, being an increase of 51 on the previous year. The number of licensed teachers and assistants employed in 1877 was 1,829—winter term.

The total sum received direct from Government was $147,574 in 1877. From Trustees, $288,601.

The number of school-houses built during 1877 was 76. In course of erection Oct. 31st, 1877, 58.

The total educational expenditure of Nova Scotia is as follows:

EDUCATIONAL INSTITUTIONS.	EXPENSES.
Public Schools	$610,158 35
Normal and Model Schools	10,162 30
Special Academies	11,386 00
Colleges	49,337 70
Total, 1877	$681,134 36
Total, 1876	$717,274 58
Decrease	$36,140 22

The total number of students enrolled in 1877 in the Normal School, Truro, was 140, of whom 43 attended the whole session.

The sources to meet the expenditure are Legislative grants, assessment on Counties by law, and amounts raised within the school sections by vote of rate-payers.

The following is a list of the newspapers published in Halifax:

The Chronicle	Daily.	The Presbyterian Witness	Weekly.
The Herald	"	The Wesleyan	"
The Citizen (Evening)	"	The Christian Messenger	"
The Mail "	"	The Church Guardian	"
The Recorder "	"	The New Era	"
		The Alliance Journal	"

PRINCE EDWARD ISLAND.

Prince Edward Island is situated on the Gulf of St. Lawrence. It lies 46° and 47° 7' north latitude, and 62° and 64° 28' longitude west from Greenwich. As viewed from the north-east, it presents the form of a crescent. Its length, in a course through the centre of the Island, is about 140 miles; and its breadth, in the widest part, which is from Beacon Point to East Point, towards its eastern extremity, thirty-four miles. It is separated from Nova Scotia by the Strait of Northumberland, which is only nine miles broad between Cape Traverse and Cape Tormentine. From the Island of Cape Breton it is distant twenty-seven miles, and from the nearest point of Newfoundland 125 miles.

The Island was discovered by the celebrated navigator, Cabot, who named it St. John, as indicative of the day of its discovery. Like Nova Scotia and New Brunswick, the Island was under French sway for a considerable period. In 1752 its population was only about 1,400. When the expulsion of the Acadians took place in 1755 a number of them removed to Prince Edward Island.

In 1764, the year after the Island had been ceded to Great Britain, by the Treaty of Fontainebleau, Captain Holland was appointed to survey the Island. He reported at that time the number of inhabitants as few, and the houses as in a dilapidated condition. The surveyor presented a very favorable report of the soil and climate of the Island.

In 1763 the Earl of Egmont proposed to settle the Island on a principl by which he was to be Lord Paramount. The Board of Trade, however, opposed the movement as not in harmony with the principles of colonization already adopted, and it consequently received no encouragement. But an equally absurd method of disposing of the Island was adopted and carried out—the Island being sub-divided and allotted to persons who were supposed to have claims on the government on the ground of military or other services. The lots were disposed of by ballot on a given day. In 1770 Captain Walter Patterson was appointed Governor of the Island. During the ten years which succeeded the granting of the lots very little was done by the proprietors for the permanent settlement of the Island. Complaints having been made by the people against Governor Patterson, he was recalled in 1786, and was succeeded by Lieutenant-Governor Fanning.

In 1794 Prince Edward—afterwards Duke of Kent and father of Queen Victoria—arrived in Halifax Although the Duke never visited the Island, he took a deep interest in its prosperity, and it was in grateful recognition of such efforts that the name of the Island was changed from that of Saint John to that of Prince Edward. The history of the Island from this period is very much the history of the land question. That question has been brought to a conclusion by the appointment of a recent Commission, by which the value of land has been determined, and the proprietors are compelled to dispose of it to tenants wishing to purchase at the prices fixed. Lord Durham, the most eminent and useful Governor-General who ever ruled in Canada, wrote a dispatch to Lord Glenelg in 1836, setting forth the most enlightened views of the land question, which dispatch was not published at the time, and of which the people of the Island remained in ignorance till it was found by the writer in the archives of the Island, three years ago, and published. Had it been made public at the time it was written, it would have saved the Island forty years of contention about the land. In 1834 the Colonial building was commenced, and in 1846 a geological survey of the Island was made. But, paradoxical as it may seem, it is still uncertain whether coal exists on the Island. The want of interest on this subject may be partly due to the circumstance of the coal mines of Pictou being so near, from which an ample supply can at all times be procured at comparatively trifling expense.

Under the Governorship of Sir Donald Campbell, of Dunstaffnage, there was an agitation for responsible government in the Island, but it was not fully introduced till 1851, under Governor Bannerman's administration. The Prince of Wales visited the Island in 1860, and was greeted everywhere with demonstrations of joy. On the first of July, 1873, Prince Edward Island became one of the confederated Provinces.

When a census was taken by order of Governor Fanning in 1798, the total population was only 4,372. It is now about 100,000. Since 1861 it has increased about 20,000.

Statement of the Annual Transactions of the Government Savings Banks in Prince Edward Island, from 1st July, 1873, to 30th June, 1878:

YEARS.	BALANCES 1ST JULY.	DEPOSITS. CASH.	DEPOSITS. INTEREST ALLOWED	TOTAL.	WITHDRAWALS.	BALANCES, 30TH JUNE.
1873-74	1873 $249,941.40	$190,115.57	$14,032.20	$454,089.17	$117,236.32	1874 $336,852.85
1874-75	1874 336,852.85	361,339.00	13,546.01	711,737.86	365,207.30	1875 346,530.56
1875-76	1875 346,530.56	211,949.00	12,300.18	570,719.74	265,510.07	1876 305,269.67
1876-77	1876 305,269.67	462,679.39	14,970.39	782,919.45	381,404.94	1877 401,514.51
1877-78	1877 401,514.51	273,636.00	15,254.76	690,405.27	319,330.92	1878 371,074.35
Five years ending June 30, 1878.	$1,640,108.99	$1,499,718.96	$70,103.54	$3,209,931.49	$1,448,689.55	$1,761,241.94

N. B.—Included in the amount withdrawn in 1877-78, is $27,200 transferred to Dominion Stock. B issue.

The following is a list of the Newspapers published in Charlottetown:

The Examiner	Daily.
The Patriot	Semi-Weekly.
The Argus	Weekly.
The Era	"
The Presbyterian	"
The Herald	"

The following is an abstract of Goods entered for consumption in the Province of Prince Edward Island, distinguishing those which paid duty from those entered free of duty, and also showing the Countries whence imported, and the amount of duty collected thereon during the fiscal year ending the 30th June, 1878:

COUNTRIES.	DUTIABLE GOODS.	FREE GOODS.	TOTAL.	DUTY COLLECTED.
Great Britain	$667,182	$96,613	$763,795	144,853.02
United States	303,543	109,128	412,671	56,384.97
France	1,009	.....	1,009	829.67
Spain	.....	1,000	1,000	.....
Holland	16	.....	16	41.15
British West Indies	69,140	490	69,630	27,619.51
Spanish West Indies	2,606	.....	2,606	1,043.95
China	62	.....	62	10.85
St. Pierre et Miquelon	665	598	1,263	337.08
Newfoundland	652	40,521	41,173	266.72
Grand total	$1,044,875	$248,350	$1,293,225	231,366.92

The following are the Exports of Prince Edward Island during the fiscal year ending 30th June, 1878:

	PRODUCE.	NOT PRODUCE.	TOTAL SALES.
The Mine	.....	$2,229	$2,229
The Fisheries	349,787	.....	349,787
The Forest	56,858	.....	56,858
Animals and their produce	95,311	.....	95,311
Agricultural products	865,555	20	865,575
Manufactures	325,519	5,192	330,711
Miscellaneous articles	.....	281	281
Total exports	$1,693,030	$7,722	$1,700,752

Geology of the Maritime Provinces,

BY JAMES FOWLER, M. A.

NEW BRUNSWICK.

The geological structure and geographical features of the Maritime Provinces, especially New Brunswick, have been largely moulded by the north-east trend of the coast line, and the elevated ranges of eastern America. The mountain ranges of the Appalachians extending from Georgia to Gaspe—the course of the St. Lawrence from Lake Erie to the Gulf—the line of the Laurentide Hills north of the St. Lawrence stretching to Labrador—the Atlantic coast of Maine—the parallel coasts of the Bay of Fundy, and the eastern coast of Nova Scotia, are examples of a parallelism which may be traced in the general outline of the leading formations and in many details of structure. Great difficulty however is experienced in ascertaining the limits of the different formations, especially in the northern portion of the Province, owing to the unsettled condition of the country,—very much of it being yet covered with forests. Another difficulty is met with in the south-western districts arising from the disturbed condition of the strata, and the sweeping away of the later formations from large areas, leaving only small fragments or outliers in the hollows, or sometimes on the summits of the hills of the older strata, thus furnishing interesting questions for the local geologist to solve, and rendering any general description, such as our limits will alone allow, comparatively unsatisfactory or even misleading.

The Geological Formations recognized in New Brunswick are the following:—

Mesozoic, { Triassic, or New Red Sandstone.

Palæozoic, { Carboniferous, or Coal Measures,
Devonian, or Old Red Sandstone,
Upper Silurian,
Lower Silurian,
Huronian, or Cambrian.

Eozoic, { Laurentian.

[illegible] Messrs. Matthew & Bailey [illegible] through [illegible] Portland. The river St. John cuts across it and furnishes good sections for examination.

When descending the river, the northern and oldest edge of the belt comes into view on the west side, near the boundary line between the counties of St. John and King's, where it rises from beneath a very limited area of the Lower Carboniferous which covers it to the north. From this point, the line of junction between it and the later formations stretches away in a south-west direction to Lepreau Harbor in the county of Charlotte, beyond which no well defined limit can be traced. On the east side of the river, the boundary is much obscured by overlying patches of Lower Carboniferous rocks, and by passing beneath the waters of Kennebeccasis Bay, but it is visible on Kennebeccasis Island, and Long Island; beyond which it reappears at Salmon Creek and can be traced by occasional outcrops along the Railway, to and beyond Hammond River. The ridge dividing the latter river from the Kennebeccasis belongs to the Laurentian series, which reappears in a few detached hills as far east as Campbell's or De Forest Lake in the Parish of Sussex.

Following down the course of the river, we pass on the western side, rugged hills of fine grained granite and gneiss, varying in color from gray to red where the orthoclase feldspar is dominant, and exhibiting green shades where hornblende predominates, occasionally relieved by masses of limestones, till we reach a line of fault on the shore of the Narrows on the north side of Mosquito Cove, where the gneiss is cut off by a ridge of gray limestones. Below this line, precipitous bluffs, retiring at intervals into rocky coves, present a succession of crystalline rocks, mainly limestones, with some quartzites, till another fault is met with just north of Spar Cove above Indian Town. From this point to the Suspension Bridge the rock is principally gneiss, interstratified by a few beds of limestone.

The exact limits of the Laurentian area, on both its eastern and western extremities are exceedingly difficult to fix, as the strata are very much folded and contorted, and are concealed beneath beds of glacial detritus. On its western extremity, the hollows are sometimes filled with fragments of Devonian and other rocks.

A few other limited areas occur, as at L'Etang Peninsula, in the County of Charlotte, at the entrance to [illegible] Bay, and on the line of the European and North American Railway between Nerepis Station and Eagle Rock. A small area between Waweig and Digdeguash is assigned to this formation.

A small area of crystalline rocks of Laurentian aspect forms two or three parallel ridges in the central portion of Albert County, near Elgin, Prosser Brook, and Caledonia Mountain, but its age and limits are yet undetermined.

The most important minerals in the Laurentian district are limestones and graphite. The former is extensively quarried for lime; but the latter though occurring in several localities, is too impure to be of much economic value at present.

The general character of the region covered by the Laurentian rocks may be described as rugged and broken, rising into abrupt and naked hills, separated by deep valleys often containing bogs or lakes. Where the rivers cut across the strata, the banks are often precipitous, and present imposing views of overhanging cliffs and beetling crags. Glacial drift has filled up many of the hollows, and covered over low and level areas, where forest vegetation flourishes and the agriculturist can find a fertile soil.

HURONIAN.

The next series of rocks succeeding the Laurentian and composed for the most part of crystalline masses, is the Huronian, the equivalent of the Cambrian of Britain. Several areas of this formation are represented on the map, some of which can only be regarded as provisional. Other areas will doubtless be discovered in the unexplored regions of the Province. The best known, though a very limited area, consists of a narrow belt stretching away north-east from the Suspension Bridge over the St. John River, through Portland and along the hills on the northern side of the Marsh Valley near Lily Lake, till it is lost beneath the marsh. Beyond this depression it reappears in a great anticlinal ridge extending from the Coldbrook Iron Works, along the northern shore of Loch Lomond and onwards through Barnesville to the bluffs of Hammond River near the village of Upham. On the north it is bounded by the Laurentian and Lower Carboniferous formations, beneath the latter of which it finally disappears. Mr. Matthew estimates the thickness of the strata near Coldbrook Iron Works to be 5,000 feet. The most extensive development of the Huronian occupies a large part of the Counties of St. John and Albert, and the Parishes of Hammond and Waterford in King's. A slender prolongation of this area may be traced along the coast to the westward of St. John, through Carleton and Pisarinco as far as Musquash Harbor. At this locality the strata are composed of hard green epidotic subcrystalline schists with some dark green serpentine. (Matthew & Bailey, Rep. 1865, and 1870–71). Within the city of St. John this belt is contracted to a narrow band of about 1,000 feet, exposed on the shore of Courtnay Bay, between Sheffield and Brittain streets. Across the bay it reappears at Race Horse Point, south of the almshouse, and crops out from beneath the overlying masses of clay and gravel at several points eastward on the road to Loch Lomond. It is overlaid in Mispeck Valley by the Devonian, but pierces the later deposits south of the valley at Ball's Lake. A slim band also lines the coast from Cape Spencer to Emerson's Creek. From the eastern border of the Mispeck district, the Huronian stretches away north-east in the rear of Quaco, beyond which it rapidly widens. At Melvin's Beach, about seven miles east of Quaco, it comes down to the shore of the Bay of Fundy, and extends in an almost unbroken line of cliffs to Point Wolf in the County of Albert. Some fragments of Carboniferous break the line of continuity at Goose Creek and Martin's Head. At Point Wolf, the Huronian retires from the coast, but continues in a straight course in a line of rugged ridges to Shepody Mountain. On the north and east this formation is bounded by the Silurian of St. John and the great Carboniferous area which covers the eastern portion of the Province.

Metamorphic rocks of various characters, comprising altered sandstone, conglomerates, slates, granitic and gneissoid rocks, constitute the principal part of this formation. The strata are much contorted and thrown up into folds and ridges, giving an exceedingly rugged and wild aspect to the landscape. [illegible] of the strata, and have formed deep defiles [illegible] their way to the Bay of Fundy [illegible] cliffs [illegible] agricultural purposes, [illegible] several rich agricultural settlements [illegible] hematite exist in the vicinity of West [illegible] the presence of iron ores are frequent.

Copper ores have been found upon the Bay shore, and mines were once opened at several points between Great Salmon River and Martin's Head.

Another long belt of rocks marked Huronian on the map, though of doubtful age, lies along the northern side of the Laurentian. In the geological reports of Messrs. Bailey and Matthew it is very fully described under the name of the Kingston Group. Eastward of the St. John River, it runs through the peninsula of Kingston, north of the Kennebeccasis Bay and River, as far as Norton Station, where it sinks beneath the Carboniferous. Westward it extends into the County of Charlotte, occupying a large portion of the coast between Lepreau Harbor and Beaver Harbor. The strata seem to rest in a synclinal fold, whose axis passes through the middle of the Kingston Peninsula in a north-east and south-west direction. In a section taken along the shore of Land's End by Messrs. Bailey and Matthew (Rep. 1870–71, page 121), diorite, chloritic and hornblende schist were found in connection with mica slate, gneiss, grit, and other crystalline rocks.

Another ill-defined area of Huronian has been detected in the district between the Long Reach and the northern border of King's County. Two or three other doubtful outliers also occur in Charlotte. The eastern side of Grand Manan presents some fine cliffs of the same formation. These districts exhibit the same physical and agricultural character as that described above.

LOWER SILURIAN.

The Huronian is succeeded at St. John by the oldest member of the Silurian identified in America, having an antiquity that goes back ages preceding the Potsdam Sandstone of New York, and corresponding with the Etage C of Barrande in Bohemia, the Cambrian of Dawson and many British Geologists. It occupies a synclinal fold or trough in the Huronian, extending about thirty miles to the eastward of St. John, and twelve miles to the westward. From the Suspension Bridge, the eastern end of which rests upon a projecting point of the Silurian slates, the strata of this formation can be traced westward along the face of the ridge overlooking Portland and past the Valley Church, near the Intercolonial Railway Depot, where the junction between it and the dioritic and petrosiliceous rocks, which underlie it on the north are easily seen. Mr Matthew assigns it a width of 5,600 feet in the city which is wholly built upon it with the exception of two streets at its southern extremity. From the bridge to the city the river flows in a channel worn out along the fold mentioned above. In Carleton the slates are widely developed, piercing the overlying deposits in the heights of King's Square, but soon disappearing in the higher grounds beyond by the compression of the Huronian trough and the accumulation of the surface deposits. A narrow belt of these rocks seems to extend to and through the Peninsula of Pisarinco, and to extend as far as Musquash Harbor, where it is lost between the Laurentian limestones and the Huronian schists. Eastward of the city the formation maintains an almost uniform width of four miles, but narrows near Loch Lomond, skirting its southern shore and terminating at Harding's Brook, a branch of the Hammond River, where it dips beneath the Carboniferous sandstones.

The strata are composed of gray clay slate, often sandy, and becoming very fine in lamination and texture, and dark in color. They are richly fossiliferous, and have yielded a large number of characteristic fossils by which their age and position have been determined. Owing to the softness of the materials of which they are composed, the Silurian strata have suffered much from the action of the denuding agencies, and have nearly all disappeared except in a few limited localities chiefly in the valleys and depressions. The existence of a few fragments of this formation along the valley of the Kennebeccasis proves that it was once continuous over a wide area, and that the bed of the river was originally scooped out of its soft materials. (Matthew, Rep. 1865, page 32).

The Granitic Belt extends from the neighborhood of Bathurst to Penobscot Bay in the State of Maine, a distance of three hundred miles, one hundred and sixty-five of which lie within the Province (Hind, Rep. 1865, page 47). As it passes through the least known portion of the Province very little is known of its area or course between the Nepisiquit and the Miramichi. At Rough Waters, about three miles from Bathurst, it appears in the bed of the river in the form of low domes, over and among which the waters tumble in wild confusion. At Pabineau Falls, huge blocks of the granite are so piled together as to present the appearance of a smooth wall along the river. (Prof. Bailey, Can. Nat. April 1864, page 93). On the S. W. Miramichi it covers a breadth of ten and a half miles, and underlies an extensive, level, but heavily-wooded country. On the River St. John, it extends from the upper end of Great Bear Island, twenty four miles above Fredericton by the river banks to a little below Sullivan's Creek, a distance of fifteen and a half miles in a direct line across the strike. West of the St. John River, it is extensively developed in the Parishes of Canterbury and Dumfries, furnishing innumerable depressions and beds for bogs and lakes which diversify the surface.

The character of the rock varies in color, texture, and in the proportion of the minerals of which it is composed. Large crystals of feldspar are of frequent occurrence; sometimes the mica is wanting; again fragments of gneiss are imbedded in the granite, or boulders of granite project from the masses of gneiss.

This belt has usually been regarded as an intrusive rock marking the close of the Devonian epoch, (See Hind, Report 1865), but Mr Robb states that "in exploring the rocks of this region no evidence was met with of the injection or upheaval of the granite among the stratified rocks, or of the derivation of the latter from the former. I suspect, however, that on the whole, the granite will be found generally to occupy a lower position stratigraphically than the other rocks." (Robb, Rep. 1869, page 104).

The largest area of

UPPER SILURIAN

rocks in the Province lies north-west of the granite belt, covering the whole region between the River St. John and the Bay Chaleur, and extending far into the Province of Quebec and the State of Maine. Prof. Hind has provisionally placed the boundary between it and the Lower Silurian at Medisco, a few miles north of Bathurst, and again at the Portage at Ramsay Brook on the Upsalquitch. Another point of junction has been found on the Right Hand Branch of the Tobique, whence it passes in an almost straight line to the St. John River, skirting the northern edge of the small Carboniferous outlier in the Parishes of Brighton and Peel.

This Silurian region is the wildest and most rugged district in the Province, containing the loftiest range of hills in the maritime provinces. Several of the summits along the branches of the Tobique and the Upsalquitch attain an altitude of more than two thousand feet, Bald Mountain near Nictau Lake being the highest known peak, (2,496 feet). Around it lies a magnificent panorama of mountain scenery which excites the astonishment of every visitant. Deep gorges and ravines, through which the streams rush headlong down the mountain sides—lakes embosomed in hills—lofty waterfalls, such as the Grand Falls of the Upper St. John and the Nepisiquit, and vast stretches of unbroken forest clothing the hills, render this rugged region the favorite retreat of the adventurous hunter and sportsman. Indications of volcanic disturbance abound at many points throughout the entire region. In the rear of Dalhousie, a ridge of trap and volcanic ash rises to the height of seven hundred and fifty feet, and projects into the Bay at Cape Bon Ami, where the waves have laid bare a fine section, exposing the lava and other volcanic products. Beds of calcareous shales richly fossiliferous, and of fine felsites are also exposed. One bed of the latter is thirty-six feet in thickness, and has furnished material for honestones. Limestones charged with different species of corals are interstratified with the trap. At Black Point [illegible] Belledune and other points on the shore of the Bay, highly fossiliferous limestones are exposed.

On the Upsalquitch, which has cut its bed across the strike of the strata, calcareous shales, trap and clay slate appear to constitute the main portion of the rocks. At the Grand Falls on the St. John, the slates are exposed along the sides of the gorge, through which the river has cut its way. From the Basin above the Falls to that below is a distance of half a mile in a direct line, with a difference of one hundred and twenty feet in level. In passing between these two points, the river first leaps over a precipice seventy-four feet in height, and then wildly struggles through a gorge averaging two hundred and fifty feet in breadth, and from eighty to one hundred and fifty feet in height, and one mile long, descending the remaining forty-six feet in its course. The calcareous and slaty strata are bent and folded in a remarkable manner by lateral pressure. The large potholes formed by the waters whirling hard pebbles round in indentations in the rock enlarge our ideas of the effects of constant attrition.

Above the Grand Falls to the Province line the rocks retain generally the same slaty character varied by calcareous bands and occasionally by sandstones of calcareous character.

In the north-western portion of New Brunswick, a broad belt of rocks stretches across the Province between the Carboniferous area and the granite, which has been described as Lower Silurian, though now regarded as Upper on the evidence of a few fossils. According to Mr. Robb, who examined it between the St. John and the Miramichi Rivers, the width of this belt "varies from nine and a half miles on the St. John River to seventeen on the Miramichi; these measurements being taken in straight lines at right angles to the strike" (Rep. 1866-69, page 187). The rocks of the district surveyed by Mr Robb, "consist of argillaceous and micaceous clay slates, with interposed bands of hard fine-grained, crystalline, quartzose, micaceous and feldspathic rocks resembling sandstone. These rocks, which doubtless consist of altered sediments, are generally of a light bluish-gray color, but sometimes greenish and brown from the presence of iron in various stages of oxydation." Occasionally they are more or less calcareous, and chiefly so at and near their junction with the newer rocks. Over the whole region the strata are folded and distorted in a remarkable manner and show evidences of overturns and faults which render abortive all attempts to estimate their thickness. West of the St. John, the district covered by these rocks is mainly an elevated and uncleared [illegible]. On the banks of the St. John, about twenty-four miles above Fredericton, a small outlier of supposed Carboniferous rocks, covering about fourteen and a half square miles rests in a depression of the older rocks, being partly in the granite and partly in the slate belt. At Keswick Bluff a fine exposure of the slate occurs in a cliff rising to the height of three hundred feet, and extending nearly two miles along the river, revealing the foldings and contortions of the strata. On the South-West Miramichi the rocks exhibit the same characters as on the St John. The region east of the Miramichi has not yet been explored with sufficient care, and no satisfactory information exists respecting it. The only fossils discovered in this region were found a few years ago by Mr Edward Jack, Land Surveyor, on a branch of the Nashwauk, but the relation of the rocks inclosing them to the rest of the formation has not been ascertained, and they are scarcely [illegible] deciding the age of the slate band.

Along the middle of the granite belt one or more bands of quartzites divide it into parallel ridges, and probably belong to the Lower Silurian. North-west of the granite, another very irregular band of rocks possessing the same features and character extends across the Province. Its breadth on the St John, from Sullivan's Creek to a little above Woodstock, is sixteen miles, and on the Miramichi seven miles, from the forks of the north and north-west branches. Its extension to the north-east has not been ascertained, the whole region between the Miramichi and the Bay Chaleur being yet unexplored.

Another area of the same formation lies on the south-west of the Province, extending from the St Croix River on the west through the County of Charlotte into the Counties of Queen's and King's, and embraces a large [illegible] of granite by which it is divided into two very irregular belts [illegible] the greater portion of its length. The northern branch commences at the St Croix River, [illegible] on the [illegible] a few miles south of the Grand Falls and on the south by the Upper Mills, and extends with very varying width eastwards [illegible] east. Devonian strata overly it on the north nearly to the St. John River, where [illegible] the Carboniferous sandstones and conglomerates. [illegible] round the Laurentian and granite in [illegible] very winding course, [illegible] with the second belt on the [illegible] of the granite. This latter belt leaves the St. Croix near the mouth of the Waweig, curves around Passamaquoddy Bay, sends up an expansion into the valley of the Digdeguash, skirts the south of Lily Lake, crossing Lake Utopia near the centre, includes the Mascareen Peninsula, and projects a narrow tongue between the granite on the north and the Laurentian on the south as far as New River, where it has been swept away by the denuding agencies. South of the Laurentian it again reappears in a narrow strip at Beaver Harbor, and stretches away north-eastward with increasing breadth to the Long Reach, of which it forms the shores. Near the head of the Reach it unites with the northern belt and crosses the St John River, projecting a long tongue as far as the Parish of Havelock in King's.

The rocks are composed in great part of dark-gray and black silicious slates and sandstones, but their character differs so widely in different districts and the whole area is so diversified in contour and agricultural capabilities, that we must refer the reader to the excellent reports of Messrs Bailey and Matthew. (Rep 1871-72; 1875-76, pages 352-366).

The very irregular area of granite referred to above lies principally between the Digdeguash and Nerepis Rivers, and presents for the most part a wild and barren aspect. The surface is very uneven and broken. Naked rocks sometimes rise high above the general level, or sink into depressions containing lakes or bogs. Over wide districts a scanty vegetation creeps over the surface, or finds a foothold in the crevices. A vast number of streams of various sizes intersect the whole region, and diversify its features by furnishing intervals and fertile patches along their banks. The granite quarries of St. George yield an inexhaustible supply of the most beautiful material for architectural and ornamental purposes.

DEVONIAN.

Only mere fragments of a once wide-spread deposit of Devonian now remain, nearly the whole formation having disappeared beneath the sea, or been swept away by the denuding agencies. A very interesting remnant reposes in a synclinal or trough of the Huronian, between Little River and Black River, in the County of St. John. A narrow prolongation of it crosses the Harbor and borders the shore of Carleton to Sand Cove, beyond which a few outcrops can be traced as far as Lepreau Harbor.

About a mile from Carleton along the shore are situated the famous Fern Ledges, which have yielded the richest Devonian Flora yet discovered. The late lamented Prof. Hartt, to whose zeal geologists are indebted for the development of this rich treasury of fossil plants, has described eight plant-beds consisting of thin layers of arenaceous and argillaceous shale interstratified with gray sandstones. The shales are usually of fine texture and of a dark-gray color, sometimes greenish-gray or black, the darker beds being especially rich in plant remains, which are finely preserved on the surface of the slates in lustrous films of graphite.

At the side of Lepreau Harbor, the sandstones abound with groups of trees, filling cavities in the rocks, occasionally three feet in diameter and twenty feet long. (Matthew, Rep. 1871, page 177). Mining operations have recently been commenced at Mace's Bay, in a bed of anthracite which is said to promise valuable results.

Between the granite hills of the Nerepis range on the south, and the Carboniferous area on the north, an irregular belt of country, extending from the St. Croix River to the St. John, has been assigned to this formation. On the former river it forms the greater part of the district between the Little Falls and a point about two miles below the Grand Falls. In its eastward extension it occupies a large part of the parishes of St. James and Dumbarton. Its breadth from Baillie to the county line is about nine miles. It enters the County of Sunbury with a breadth of five miles, but gradually decreases in volume till it finally disappears beneath the Lower Carboniferous in Jerusalem Settlement, near the boundary of the Parish of Gagetown. (Rep. 1875-76, page 368.)

Throughout this region the strata are frequently vertical, or dip at high angles; their character is also very uniform, so that great difficulty is experienced in determining their thickness. The rocks are highly micaceous throughout. "Dark gray or bluish-gray micaceous argillites alternating frequently with thick beds of a coarser texture and greenish tint, graduate into other coarser slates which alternate with thick beds of schistose micaceous sandstone."

The harder sandstones, some of which are highly calcareous, rise into ridges of considerable elevation, and form a rolling fertile country dotted with thriving villages and settlements. A few other small fragments of Devonian are described in the Reports of Messrs Bailey and Matthew.

CARBONIFEROUS.

The Volcanic disturbance amidst which the Devonian epoch closed, throwing up the surface of the country into long wavelike ridges and furrowing it with deep synclinal valleys, prepared the way for the long [illegible] rest of the succeeding Carboniferous age. The existence of the formation around nearly the whole Gulf Shore from Gaspé to Cape Breton, and its outcrops in Newfoundland, indicate that it once covered a large [illegible], now sunk beneath the Gulf and the Atlantic. The region covered by [illegible] in New Brunswick forms a large triangle in the centre of the Province, its north-western boundary extending from the Magaguadavic River west of Oromocto Lake in a nearly straight line to Bathurst, a distance of one hundred and fifty miles, and its southern edge forming a somewhat curved line along the border of the older metamorphic rocks which terminate near Butternut Ridge, around which it curves to bound the Carboniferous area of the Kennebecasis. This latter area consists of a belt of country about eighty miles long, [illegible] to twenty in breadth, occupying the valleys of the Kennebecasis and Petitcodiac. The Carboniferous strata curve around the eastern extremity of the metamorphic rocks of Albert County, which terminate in Shepody Mountain, and run in a narrow strip down the shore of Chignecto Bay to Salisbury Cove. A few isolated outcrops appear at Quaco and Gardner's Creek. Eastward of Albert County, the formation is continuous with that of the Cumberland coal field, which exhibits the same geological structure. The New Brunswick coal field [illegible] about [illegible] thousand five hundred square miles, belonging chiefly to the Lower Carboniferous or unproductive measures. Sir W. Logan found the thickness of the deposit at Gaspé to be about three thousand feet, but its thickness does not seem to be so great in New Brunswick.

The [illegible] given by Dr Dawson in Acadian Geology, furnishes a good idea of the structure of this remarkably level region. Over the greater part of [illegible] sandstones lie almost horizontal, [illegible] since the period of their deposition. Broad plains and swamps, [illegible] stretch away to the horizon without any variation of level [illegible]

by the naked eye. The only relief given to the monotony is by the deep channels cut by the streams through the soft shale.

The red sandstones of Bathurst, the Bonaventure rocks of Sir William Logan, are succeeded by gray shales and sandstones dipping north, in which many fossils and two thin beds of coal have been noted. A gentle anticlinal is believed to run out towards Shippegan, changing the dip of the strata to the south as far as the Miramichi River, which occupies the centre of a wide and flat synclinal. A few fossils are found in these coarse gray sandstones, and a few small fragments or seams of coal and iron pyrites crop out in the cliffs along the river. Southward of the Miramichi, the dip is towards the north as far as Buctouche where reddish sandstones, probably the equivalent of those at Bathurst brought up by an anticlinal, appear at the surface. On Coal Creek, a branch of the Richibucto, a seam of coal from fifteen to seventeen inches in thickness, has been worked on a small scale by the farmers in the vicinity. South of Buctouche the dip becomes southerly as far as Shediac Harbor, where another flat synclinal occurs changing the dip again at a low angle to the north. From Cape Tormentine another anticlinal stretches away towards the Lower Carboniferous area of Albert County. On the shore of the Straits it is overcapped by a small patch of red micaceous sandstone believed to be an outlier of the new red sandstone of Prince Edward Island. A slight synclinal undulation at Bay Verte is probably a continuation of that at Dorchester Ferry. South of this lies the anticlinal, which brings up the Lower Carboniferous limestones of northern Cumberland and bounds the deep basin in which rest the thick strata of the Joggins. Nearly the whole northern part of this extensive area, so far as yet examined, appears to belong to the Lower Carboniferous series, and consequently no valuable coal seams can be expected to reward the labors of the miner.

At the base of the Carboniferous, beneath the red sandstones and conglomerates mentioned above, lie the highly bituminous shales of Albert, Westmorland, and King's, which embrace the Albert mines, with their rich vein of Albertite or Albert Coal. These shales, which are probably about one thousand feet thick, can be traced from Dorchester westward for some distance along the base of the metamorphic hills, which bound them on the south, and are charged with fossil plants. In the neighborhood of the Albert mines, the shales contain much bituminous matter, and are characterized by the presence of vast numbers of well-preserved fossil fishes of the genus *Palaeoniscus*, which have been flattened by pressure and buried in such a way that every scale and fin retains its place, and is as perfect as when the creature swam in the waters of the old Carboniferous seas. The strata containing the Albertite have been much contorted and disturbed by lateral pressure. The coal occupies a large fissure or vein formed along an anticlinal axis by the fracture of the strata. Into this, the bituminous matter with which the shale is richly charged, flowed under heavy pressure as a liquid petroleum, and by the evaporation of its more volatile ingredients acquired its present character. The mineral is a very valuable material for the production of coal oil and illuminating gas. Shales of the same character have been examined at a great many other localities, as Baltimore, Elgin, Pollet River, Sussex, Norton, etc. (See List, Acadian Geology, page 248.) Springs yielding petroleum burst from these shales at various points along the Petitcodiac River, but not in sufficient quantities to justify any large expenditure in collecting it.

Several beds of gypsum are found in Albert County, some of which are extensively quarried.

The coal seams of Grand Lake have been worked to some extent since 1825, and considerable quantities of coal procured. The seams, however, are thin, none of them much exceeding twenty-two inches. Several borings have been made to discover the existence of lower seams than those exposed on the surface, but without success. The outcrop at Coal Creek, on the Richibucto, is probably an extension of the same beds. A very full and accurate account of the geological structure and character of the region is given by Messrs. Bailey and Matthew. (Rep. 1872–73).

A few patches of the Carboniferous formation are marked on the map, the largest of which is on the Tobique, containing a large quantity of gypsum and limestone.

THE TRIASSIC,

Or *New Red Sandstone* is only represented by a few detached fragments on the shore of the Bay of Fundy and on the Island of Grand Manan. One of these patches described by Mr. Mathew, (Rep. page 217) lies between Gardner's and Ten Mile Creek; a second at Quaco where it may be seen in the depressions, east, south and west of Quaco Head; and a third at Salisbury Cove, east of Owl's Head.

On the Island of Grand Manan, Triassic trap containing the same minerals and presenting the same columnar structure as in Nova Scotia, covers the larger portion of its surface. The bold cliffs of trap along the coast, rising frequently to the height of two hundred or even three hundred and fifty feet strongly recall the same rocks facing them across the Bay. The sandstones under the trap are only exposed in a few localities, but their Triassic character is clearly revealed in their composition and mode of occurrence. The cavities in the trap contain quartz, calcspar, stilbite, heulandite, analcime and other minerals.

NOVA SCOTIA.

The geological structure of Nova Scotia has been in large measure affected by the same causes as those which produced the general parallelism of the formations in New Brunswick. The same north-east and south-west trend of coast lines and elevated ranges prevails as in the neighboring province. The older metamorphic rocks are largely developed, extending in an almost unbroken line from Cape North in Cape Breton to Yarmouth, and presenting the same difficulties to geologists as are encountered in the New England States. The general absence of fossils among these rocks, and the disturbed and altered condition of the strata, are grave stumbling-blocks in the way of any reliable arrangement of the formations, or identification of their age. The reader who peruses the reports of Dawson, Hind, Fletcher, Honeyman, Hunt, Selwyn and others, will enjoy a succession of splendid "dissolving views," and readily acknowledge the impossibility of obtaining any accurate idea of the age or limits of the metamorphic areas of the province. The wild and unsettled condition of a large portion of the country, and the depth and extent of the surface deposits, increase the obstacles in the way of examination, and it is only by the continued labors of the Geological Survey that anything like certainty can be obtained.

The Geological Formations at present recognized as occurring in Nova Scotia are:

Cainozoic,	Post-Pliocene.
Mesozoic,	Triassic, or New Red Sandstone.
Palæozoic,	Carboniferous, or Coal Measures, Upper Silurian, Lower Silurian, Cambrian, Huronian.
Eozoic,	Laurentian.

Laurentian.—The great diversity of opinion existing among geologists, as to the existence of the Laurentian in Nova Scotia, renders it impossible at present to define its limits. Prof. Hind, Dr. Honeyman, and others, describe the larger portion of what is colored granite and Lower Silurian on the map as belonging to this formation, while Dr. Dawson would confine it to St. Ann's Mountain in Cape Breton, and the little Island of St. Paul's. The only areas assigned to the Laurentian on the map in addition to the above are the Boisdale and Cox Heath hills, examined and mapped by Mr. Fletcher, and a small area between St. Mary's River and Country Harbor River, surveyed by Prof. Hind.

Huronian.—The presence and extent of the Huronian is subject to the same doubts as the preceding formation. Dr. Dawson says:—"There seems good reason to class as Huronian, or at least as Lower Cambrian, the rocks of the Boisdale Hills in Cape Breton, which Mr. Fletcher finds to underlie the fossiliferous Cambrian of that region, and which are more quartzose and micaceous than the rocks of the Cobequid series. It is not impossible that rocks of this age may also occur in the vicinity of the Cambrian beds found at Miré. We may also conjecturally class as Huronian the chloritic rocks of Yarmouth." (Acadian Geology, Sup., 1878, page 88). Prof. Hind finds Huronian strata in several districts, especially in "two important areas, one near Mount Uniacke, and the other forming the range of hills near Windsor."

Cambrian and Lower Silurian.—The limits between these two formations have not yet been ascertained in Nova Scotia. To the latter, however, must be assigned a part of the metamorphic rocks of the Cobequids and of the East River of Pictou, also some portions of Cape Breton, especially that lying between St. Peter's and Scutari. To the former, Dr. Dawson relegates the great Atlantic coast series which embraces the gold regions of the province, and which occupies almost the whole seaboard from Cape Canso to the western extremity of the province. Very much of this region is of a broken and rugged character, and the geological position of its rocks is consequently very uncertain. They are mainly composed of coarse slates and thick beds of quartzites, varying in some districts into mica schist and gneiss. The area occupied by them exhibits its greatest breadth, which cannot be much less than 50 miles, on the south-west extremity of the province, between Cape Sable and the northern part of the county of Yarmouth. Thence it extends in a constantly narrowing and somewhat interrupted belt towards Canso, where its breadth is reduced to eight miles. Its width at the head of the West Branch of St. Mary's River, eighty miles from Cape Canso, is about thirty miles and its total length about 250 miles. (Acad. Geol). The strata throughout nearly the whole area are highly inclined and have in general a S. W. & N. E. strike. Extensive areas of granite and gneiss occur and probably form "a continuous crescent-shaped band, of varying width, sweeping in a bold curve from its commencement, or eastern horn, at Cape Sambro, through the counties of Hants, King's, Annapolis, Digby, Yarmouth and Shelburne, to its termination or south-western horn, at Cape Sable." (Selwyn, Rep. 1870–71, page 265). In the neighborhood of the granite, the sandstone and clay slate have been extensively metamorphosed, and are replaced by gneiss and mica slate. The coast line is exceedingly rugged, being deeply penetrated by innumerable Harbors and Inlets, and studded with islands. Into each indentation flows a river, which passes through one or more lakes, or a chain of lakes, embosomed in hills and swarming with fish. The coast is in general low, the elevations seldom exceeding 400 feet. The interior presents a constant succession of broken hills and valleys, interspersed with bogs and lakes. Areas of rich cultivated soil are also met with, and impart life and beauty to the landscape

Near the town of Yarmouth and at Pubnico, the strike of the rocks is nearer N. & S. than has been observed elsewhere. Hornblende and chloritic slates abound near the former town, and are probably of Huronian age. Over a large district east of the Tusket River quartz is the prevailing rock. Granite cliffs present their frowning front to the sea along a large part of the coast of Shelburne. Near Liverpool the country wears a most forbidding aspect, being covered with huge boulders, but about ten miles inland, fine agricultural districts are watered by the Liverpool and Portmedway Rivers. Clay slate, scratched with glacial striae, occupies a large part of northern Queen's County, and extends into Lunenburgh as far as Cape Aspatogoen. At Chester Basin a small patch of Lower Carboniferous rocks containing thick beds of limestone and a thin seam of coal rests in the older rocks. Between Margaret's Bay and Halifax Harbor, in the large granite and gneiss tract which extends towards Windsor, several varieties of common and porphyritic granite and also graphic granite are extensively developed, and largely quarried for architectural purposes. On the Musquodoboit River the granite reappears and extends eastward to Great Ship Harbor Lake, beyond which, quartzite and mica slate, occasionally broken through by bosses or belts of granite, prevail to the extremity of the district at Cape Canso. The northern border is marked by a series of rugged hills and eminences, forming a varied and picturesque landscape.

The lower or quartzite division of the formation, containing the worked gold-bearing strata, is said by Prof. Hind to be about 9,000 feet in thickness. The upper member of the series, consisting mainly of corrugated slates and schists, comprises 3,000 feet, but acquires double that thickness towards the western extremity; the total thickness of the whole formation being from 12,000 to 15,000 feet. The auriferous area is estimated at 3,000 square miles.

The gold-bearing rocks have been thrown up into long undulations extending in an east and west direction, which has raised the strata to high angles, and sometimes into a vertical position. Not less than six anticlinals have been discovered between Halifax Harbor and Renfrew gold district, a distance of 35 miles. These anticlinals have been crossed by another series of undulations

having a north and south direction, thus producing transverse anticlinals, and giving the region the appearance of a field when ploughed across the previous ridges, or of the ocean when the waves after a storm are disturbed by a heavy cross sea. The thickness of the series, as stated above, is over two miles, and according to Mr. Campbell about one and a half miles in depth have been swept away from the summit of the hills, leaving the lower beds of the strata exposed. On these denuded crowns are found the richest auriferous beds. The valleys between these crowns, now mostly filled with the newer beds of the formation, yield no gold, as the rocks containing it lie at great depth. The gold, being confined to the quartzite and lower portions of the overlying clay slate, can only be produced where these rocks are laid bare, and thus, according to the extent of the denudation is the breadth of the district over which gold may be found.

Though gold is occasionally found disseminated both in the quartzite and its accompanying bands of slate, yet it is met with most abundantly in well defined beds or layers of a more or less pure quartz which are interstratified with them, and vary in thickness from a few inches to eight feet or even more. The most productive quartz has a gray or leaden color, while the milky-white and colorless varieties are but slightly auriferous. The surface of the quartz layers and the enclosing beds are frequently covered with rib-like ridges or flutings, presenting a wrinkled or corrugated appearance and producing what is called barrel quartz, from its resemblance to parallel rows of small casks.

Several other minerals are frequently associated with the gold, such as mispeckel, (sulp-arsenide of iron), galena, blende, iron pyrites, copper pyrites, antimony, bismuth and molybdenum; also calc spar, dolomite, ankerite, baryte and traces of native silver. Mispeckel is seldom absent, and occurs either in veins or in crystals on the wall rock.

In 1867 the average yield of gold for 9 districts was 17 dwt., 23 grs., for each ton of quartz crushed, being about $765.00 for each man employed. In 1876 thirteen districts were worked, yielding a total of 12,038 ounces, of which Sherbrooke furnished nearly the half. The richest districts are Sherbrooke, Oldham, Waverly and Wine Harbor, all of which are worked in the quartzite formation. The mine at Gay's River furnishes a remarkable exception to the rule, being worked in the Lower Carboniferous conglomerate from which it is obtained by crushing the conglomerate and panning the debris.

Upper Silurian.—The uncertainty already referred to in the case of the Lower Silurian, obtains equally with respect to the present formation. The northern part of Cape Breton, a long irregular tract extending from Cape Porcupine and Cape St. George to the Stewiacke River, the belt of the Cobequid Mountains, and a large interrupted district in the western counties are colored Upper Silurian on the map, but the age of some and the limits of all these districts are still undefined, and will be largely modified by future investigations. The volcanic disturbance which distinguished the close of the Devonian, altering and folding the older rocks,—the outflows of diorites and trachyte,—the production of vast quantities of ashes and fragments of volcanic origin, and the irregular distribution of the whole by aqueous and other agencies present great difficulties to correct classification. The Lower Silurian rocks are largely developed at Arisaig, where they have been minutely studied and described by Dr. Honeyman. At the eastern end of the section where the Silurian disappears beneath the Lower Carboniferous, the rocks consist of grey and reddish sandy shales and bands of coarse limestone. The district is richly fossiliferous, and has yielded abundant materials for study. The formation is distinguished in some districts by the presence of felsites, porphyry and petrosilicious rocks. Red and yellow arenaceous and argillaceous shales abound, with series of black shales and beds of limestone. At Wentworth, on the north side of the Cobequids, the dark shales are fossiliferous and are traversed by dikes of diabase, in the vicinity of which they have assumed the appearance of felsites. At French River, Wright's River and Earltown the rocks are fossiliferous and "contain coarse limestone and hard sandstone as well as shale." Dawson, Supplement, 1878, page 76.

On the East River of Pictou, deposits of iron ore have been discovered, consisting of, (1) A bed of red hematite varying in thickness from ten to thirty feet, whose outcrop has been traced for several miles. (2) A vein of crystalline specular ore with a thickness of twenty feet of pure ore. Masses of magnetite, spathic iron and ankerite are associated with it. (3) Veins of limonite of large dimensions which occur in several places on the East River, associated with Manganese. (4) On Sutherland's River, crystalline spathic iron ore or carbonate of iron is found in the Lower Carboniferous.

Rich beds of hematite are reported on the East Bay of the Bras d'Or and other localities in Cape Breton, and valuable deposits of limonite at Brookfield and Old Barnes, in Colchester County. The iron mines of Londonderry, on the south of the Cobequid hills are worked in the Upper Silurian, the main part of the ore being obtained from beds of limonite. In 1876, 15,274 tons of ore were mined. A fossiliferous bed of iron ore extends from Nictaux to Moose River, the ore at the latter locality being magnetic.

The extent of the formation in northern Cape Breton is very uncertain, and much of the area here assigned to it probably belongs to an earlier formation. The country is exceedingly rugged and stony, much of it being unfit for cultivation, though the soil is frequently good.

Carboniferous.—At the close of the Upper Silurian a long break occurs in [illegible] Nova Scotia, extending to the Carboniferous. The formation assigned to the Devonian, being [illegible]. The metamorphic [illegible] more or less [illegible] seem to have [illegible] since the beginning of the [illegible] period, very [illegible] alteration being [illegible] the deposit of that formation. The Carboniferous [illegible] almost wanting in the western districts of the province, but [illegible] developed along the Northumberland Straits and in Cape Breton. [illegible] of New Brunswick, forming so large a part of the Gulf [illegible] exposed to the Atlantic [illegible] Cape Breton [illegible] have covered an extensive [illegible] swept away [illegible] the area covered by the Carboniferous may be divided into [illegible].

I. The Cumberland Coal Field reposes in a vast trough or basin, as the [illegible] the [illegible] of the Cobequid [illegible] rocks of the Lower Carboniferous [illegible] where the rocks of the upper coal formation are [illegible], and [illegible] the south to form the northern edge of the basin. Still advancing, we pass from the newer to the older, and at length reach the Lower Carboniferous rocks, still dipping southward and extending into New Brunswick, where they turn over and dip northward. This arrangement is well illustrated by the parallel ridges and lines of hills which cross the country from west to east, being the remains of the edges of the harder sandstone strata that have resisted the action of the denuding agencies which wasted away the softer portions of the beds. Towards the central and eastern parts of the trough, several undulations appear to exist which cut off the continuity of the coal beds and prevent them from extending across the county. Along the shores of Chignecto Bay and Cumberland Basin the whole series of strata constituting the Carboniferous formation is exposed in a line of cliffs, which have been cut and are kept clean and fresh by the constant wash of the Bay of Fundy tides. This is the finest and most celebrated exposure of Carboniferous strata in the world, and the favorite resort of Geologists. A series of beds amounting to more than 14,000 feet in vertical thickness, and extending from the marine limestones of the Lower Carboniferous series to the top of the coal formation, containing more than seventy seams of coal with their roof shales and underclays, have been measured and described. The strata are richly charged with fossil plants which are continually exposed by the wasting of the cliffs. For an accurate idea of this remarkable Joggins section, the reader must consult Dr. Dawson's Acadian Geology.

At Pugwash there are large beds of limestone and gypsum, the former of which is of good quality, and has been extensively quarried. Eastward of Pugwash the same gray fossiliferous sandstones are traced along the coast into the county of Pictou. At the mouth of French River the shales are impregnated with copper ores.

Extensive mining operations are conducted at the Joggins and at Spring Hill, where two seams, one eleven and the other thirteen feet thick, have been opened on the southern outcrop of a synclinal. Grindstone quarries have long been worked at several localities at the Joggins, Hebert River and elsewhere. At Wallace valuable beds of freestone are quarried for exportation.

The quality of the soil overlying the Cumberland coal field varies greatly; being rich and loamy, where limestones, gypsums and marly clays occur, and light or sandy where the rock is gray sandstone. A large extent of rich marsh spreads across the western coast and the borders of the rivers.

See Mr. Scott Barlow, Rep. 1873-76. Mr Edward Hartly, Rep. 1866-69, pages 443-447. Mr. Walter McOuat, Rep. 1873-74, pages 161-17[illegible].

II. The Pictou Coal Field is simply a continuation of the previous one, and possesses many of the same characters, especially along the gulf coast. Near its southern border, limestone of the Lower Carboniferous division can be traced from West River across the country to East River, and along its valley in a tongue penetrating the older Silurian rocks, and thence along the eastern boundary from East River to the neighborhood of Arisaig, where conglomerates mingled with beds of amygdaloidal trap constitute the base of the formation. The leading feature of the Pictou coal field is the enormous depth of the productive measures on the East River, where they cover an area of about twenty-five square miles. An extensive series of faults traverses the district in various directions and brings the coal seams to the surface in different places. Several workable seams occur, but two of these are especially noteworthy because of their great thickness, one called the Main Seam being forty feet, and the other the Deep Seam being twenty-four feet true measures. The McGregor Seam which underlies these furnishes eleven feet of good coal. The ironstones and fireclays often abound in [illegible].

The district is divided among a number of companies who raise a very large amount of coal, much of which is exported to the United States. For detailed information, consult *Acadian Geology and Geological Reports.*

In some districts the strata are richly fossiliferous, though not so abundant [illegible] are abundant, however, and a few plants. Clay ironstone is found in sufficient quantities to render smelting profitable. Gray freestone is largely exported from Pictou Harbor for building purposes. Gypsum and limestone are quarried for local use in different localities.

III. The Minas Basin Coal Field is extremely irregular in form, and covers an area of about 250 square miles. It is penetrated by the Minas Basin and Cobequid Bay with their fringe of new red sandstone, and itself extends in the form of bays and river beds far into the [illegible] metamorphic rocks to the eastward. On its northern border at the base of the Cobequids the rocks are Lower Carboniferous conglomerates, composed of fragments and pebbles from the [illegible] against which they rest, and [illegible] the granite and [illegible] the Horton and Ardoise [illegible] the materials for the composition of the [illegible] which here occupy the place of the conglomerates. At Wolfville and Lower Horton [illegible] dark shales [illegible]. At Horton Bluff [illegible] and [illegible] abundant [illegible] as to constitute the greater part of [illegible] beds. A good representation of the whole [illegible] the larger part of the area can be seen near Windsor. [illegible] to [illegible] Windsor, or [illegible] gypsum [illegible] of the finest [illegible] Province.

[illegible] the Minas Basin coal field [illegible] Pictou [illegible]. Springs [illegible].

[illegible] Manganese [illegible] Mountains.

IV. The Antigonish Coal Field is separated from that of Pictou by [illegible]

ridge of older metamorphic rock, which stretches from the interior of the country to the Gulf Shore, cutting off the connection between the two fields. It presents a somewhat triangular shape, conforming roughly to the outline of the county and covering nearly its whole area. The Lower Carboniferous conglomerates and sandstones extend along the western and south-eastern sides and have been much disturbed and altered by heat, especially in the vicinity of the older rocks. Near Malignant Cove the sandstones have been metamorphosed into hard quartzose masses whose original stratification has disappeared. At Cape St. George the conglomerates are widely developed. Between Morristown and Antigonish thick beds of limestone and gypsum occupy nearly the whole distance, (five miles), the latter being about 200 feet thick, and forming a splendid cliff looking out upon the sea. At the head of Antigonish Harbor, also near Lake Lochaber and on the eastern extremity of the field at the straits of Canso, other areas of limestone or gypsum are found. Near South Lake Brook several good seams of coal varying in thickness from two to nine feet have been discovered, and also between Pomket and Tracadie. Brine springs also flow from the Lower Carboniferous and have been profitably employed for the production of salt. The soils being largely derived from limestone and gypsum are naturally very fertile, and reward the labors of the husbandman.

V. The Carboniferous district of Guysborough consists of a belt of carboniferous rocks extending westward from the Strait of Canseau along the north side of Chedabucto Bay, and thence in a narrow strip nearly to the sources of the west branch of St. Mary's River, a distance of fifty miles. Near the town of Guysborough, both north and south, thick beds of limestone rise to view among shales which occupy a nearly vertical position. The soil of the St. Mary valley is highly valued for agricultural purposes, and its scenery is varied and beautiful. (Acadian Geology.)

The small outliers at Margaret's Bay and Chester Basin are only worthy of notice from their insulated position and their deposits of limestone. One bed at Chester is said to furnish a good hydraulic cement.

VI. The Coal Field of Cape Breton is so broken and so extremely irregular in outline, that we can only refer the reader to the map, to ascertain its geographical position and form. Its most important portion is the Eastern or Sydney Coal Field, occupying a belt of country about thirty-two miles in length from north-west to south-east, by almost six miles in width. The outcrops of the seams lie along the Atlantic coast, and indicate the existence of an extensive basin or trough extending under the sea towards Newfoundland. Numerous bays and channels deeply indent the coast and furnish excellent harbors and facilities for shipment.

The aggregate thickness of the workable seams is from forty to fifty feet; the seams varying in thickness from three to nine feet and cropping out along the shore. The quantity of coal available in these seams, excluding all under four feet in thickness, is estimated at one thousand millions of tons. The Harbor of Sydney, situated near the centre of the coal district, is one of the most commodious on the Atlantic coast of North America, for the supplying of ocean-going steamers with fuel, and is destined to command an extensive trade.

The country is generally low, presenting a gently rolling character, seldom rising to a greater height than 150 feet. The cliffs along the seashore stand up perpendicular or even overhang, and have an altitude of from fifty to eighty feet.

The coal district of Richmond is separated from that of Antigonish by the Gut of Canso, and is especially remarkable for its thick beds of gypsum, that of Plaster Cove being of enormous thickness. A bed at Carribou Cove is of good quality. Large beds of good limestone occur at several places. Some seams of coal at Carribou Cove have been worked for a long time, but cannot compete with the Sydney coal.

Triassic or New Red Sandstone. At the close of the Carboniferous formation follows a long interval, of which geological history retains no record in the Maritime Provinces, until we reach the Triassic. The largest development of this formation lies along the south shore of the Bay of Fundy between Minas Basin and St. Mary's Bay. The base of the formation is composed of conglomerates formed from the debris of the older and harder strata and is followed by coarse soft red sandstones cemented together by calcareous matter which effervesces when tested by acids, and renders the districts in which it prevails exceedingly productive. The formation can be traced from a point four miles east of Truro along the north shore of Cobequid Bay, in a narrow belt of varying breadth and with some interruptions to the neighborhood of Parrsborough. Beyond this the trap appears at several points as far as Cape D'Or. Along the ten miles of coast between Five Islands and Swan Creek, the Lower Carboniferous may be occasionally seen at the base of the New Red, and high up in the cliffs the masses of trap overlying the whole. Fine specimens of minerals are found in the rocks and are eagerly sought for by collectors. South of Cobequid Bay the same formation extends in a narrow band about one mile wide as far as the mouth of the Shubenacadie, beyond which a few patches only are found.

The greatest development of the formation intervenes between Lower Horton and Cape Split, and extends south-westward along the valleys of Cornwallis and Annapolis, and in the trappean rocks of the north mountains. The latter form a long narrow ridge extending from Cape Blomidon to Briar Island, a distance of 123 miles, while its greatest breadth, except at Cape Split, is about five miles. At Blomidon the basaltic cliffs rise fully 400 feet over the Bay. The trap here is amygdaloidal, having its cavities filled with beautiful crystals of various minerals, especially quartz in its different forms, and such zeolites as heulandite, analcime, natrolite, stilbite and apophyllite. The precipice is capped by rude columns of basaltic trap presenting the appearance of a perpendicular wall facing the sea.

The districts covered by the sandstones are distinguished for their rich agricultural soils, and the production of the finest apple-orchards in the Provinces. These districts produce a heavy growth of forest trees; but when subjected to cultivation, though yielding rich harvests for a few years, they soon lose their fertility and become barren wastes.

Nova Scotia possesses large districts of marsh and dyked lands which are rich and unfailing sources of revenue. Post-Pliocene deposits also cover the surface in many localities and furnish good soils for agricultural pursuits. Shell marl is sometimes found in the lakes, and Peat beds are numerous along the southern coast. Extensive remains of sub-marine forests in the marshes of Cumberland prove the subsidence of the land during modern times.

PRINCE EDWARD ISLAND.

Whilst the deposition of the New Red Sandstone and the outflowing of lava were progressing in the region now occupied by the Bay of Fundy, a formation of corresponding character was being laid down in the Gulf of St. Lawrence, the remains of which constitute Prince Edward Island. The discovery by Dr. Dawson of a small area of the Upper Carboniferous formation at Gillas Point and Governor's Island, and another on the northwest coast satisfactorily prove a former connection of the Island with the mainland, and its formation subsequent to the Carboniferous rocks of New Brunswick and Nova Scotia. The few fossils that have been found substantiate the view that the formation belongs to the Triassic period. At Orwell Point on the south coast, about ten miles east of Charlottetown, gray and brown sandstones interstratified with thin beds of impure limestone, and fragments of fossil trees belonging to the Coniferous family, remind the geologist of the Upper coal formation of Nova Scotia, and probably represent the oldest strata in the Island. The gently undulating character of the country, the almost horizontal position of the strata, and the remarkable uniformity in the composition of the soil, point to a period of volcanic rest and gentle deposition such as followed long subsequent to the Carboniferous age. A calcareous cement unires the component particles of the sandstone, just as in the New Red of Nova Scotia. The abundance of calcareous matter, sometimes forming, as already remarked, thin beds of impure limestone, imparts remarkable fertility to the soil, and constitutes the Island the garden of the Maritime Provinces.

No minerals of economic value, except a small quantity of limestone and indications of copper and manganese, are known to occur. Dr. Gesner mentions the existence of trap on Hog Island in Richmond Bay, but the writer is not aware that his observation has received confirmation. If the observation be correct, another point of resemblance with the New Red of Nova Scotia would be furnished. For further information, see Dr. Dawson's *Acadian Geology*, and Rep. 1871.

Useful Minerals of the Maritime Provinces.

BY JAMES FOWLER, M.A.

NEW BRUNSWICK.

Albertite, or *Albert Coal*, an inspissated petroleum, found in veins in the Lower Carboniferous rocks of Albert, King's and Westmorland Counties. A most valuable mineral for the production of oil and gas. In 1874, 7,000 tons were extracted at the Albert mines. The Bellveau mine has recently been opened near the Petitcodiac River. The mineral is found in position at the Albert mines; in Westmorland, half a mile from Petitcodiac River, East of Edgett's and at Bellveau; in King's at Mechanic's Settlement, fifteen miles from Sussex Vale, near Apohaqui Station; and several other localities in Kennebecasis Valley.

Alum was formerly manufactured in large quantities at Shepody Mountain, but the work is now abandoned. Small quantities have been found at Grand Lake.

Anthracite, in Devonian strata at Point Lepreau; the only Devonian coal in North America, except a thin seam bed, two inches thick, in the Gaspé sandstone. Mining has been commenced in a vertical bed from six to ten feet thick.

Antimony, Stibnite, or Antimony glance, found in considerable quantities at the "Antimony Mines" of Prince William, York Co. The ore occurs in veins in a gangue of quartz, and is mined with profit. It is of excellent quality, and is largely used for making "Babbit Metal."

Asphaltic Shales. (See *Bituminous Shales.*)

Baryta, Sulphate of Barium, is extensively used as a paint. It sometimes forms 75 or 80 per cent. of the cheaper kinds of white lead paint; used also in the manufacture of paper-hangings, for giving a glossy surface. Frye's Island, Charlotte Co.

Bitter or *Pearl Spar*, a crystallized dolomite, occurs in white and rose-colored varieties, at the Vernon Copper Mines, St. John Co.

Bituminous Shales, or Pyroschist. Immense deposits are found in the Lower Carboniferous rocks of Albert, King's and Westmorland, capable of yielding "from 65 to 90 gallons of crude oil per ton, or from 35 to 50 gallons fit for illuminating purposes," (Hind) or 7,500 feet of gas per ton, (Dawson). The shales contain immense quantities of fossil fishes of the genus Palæoniscus. Five species are described by Dawson. (Supplement, page 99.)

Bog Iron Ores, believed to be of commercial value, are found at Burton, Sunbury Co., and at Maryland, York Co., (Dawson.)

Clay fit for bricks and pottery, abounds in many localities, and is worked to some extent along the St. John, Miramichi, &c. Deposits of blue and yellow clays form high banks above the Grand Falls.

Coal.—The only mine where coal is procured to any extent in New Brunswick, is at Grand Lake, Queen's Co. The annual production is about 3,000 chaldrons. The thickest seam is twenty-two inches. Supplies for local use are procured at Coal Branch, Richibucto. Seam 17 inches.

Copper Ores have been found in veins in several places, but no profitable mines are in operation. Between Martin's Head and Great Salmon River in St. John and Albert Counties, four mines were once worked, but are now abandoned. The Letite and Wheal Louisiana Mines in Charlotte have also proved unremunerative. Copper is reported from the Nepisiquit, Tattagouche, Campbell River, Woodstock and several islands off the mouth of St. Andrew's Bay.

Dolomite, or Magnesian Limestone, composed of 54.35 parts of carbonate of lime, and 45.65 of carbonate of magnesia, occurs in beds or seams in the older metamorphic rocks near St. John, Frye's Island, &c.

Gold in minute quantities has been reported from a number of localities, but no mining operations have been begun.

Granite and Syenite of various textures and different shades of color, gray, pink, red, yellow, &c., abound in Charlotte Co., Queen's Co., &c. The red granite quarries at St. George yield a beautiful stone for monumental and architectural purposes, as it takes a high polish, equal to the Aberdeen granite. The Hampstead Quarries in Queen's are extensively worked. The Red Granite is largely exported to the United States.

Graphite, Black Lead, of an impure quality forms thick layers in the Laurentian rocks near the Suspension Bridge, St. John. Found also at Lily Lake, Queen's Lake, Drury's Cove, and in red and green slates at Woodstock and many other places, but nowhere in sufficient purity to be of economic importance. The mine near the Suspension Bridge has been long abandoned, but another has lately been opened in the neighborhood.

Grindstones and Freestone fit for building are abundant in the Province. Large quarries are worked at Clifton, Gloucester Co.; Dorchester and Hopewell. A large export trade is sustained.

Gypsum is wholly confined to the lower carboniferous rocks in New Brunswick, and is especially abundant at Hillsborough, in Albert County, where 129,000 tons were quarried in 1875. "The head of rock is from 90 to 100 feet, about 70 of which is composed of 'soft plaster,' which rests on beds of hard plaster of unknown depth."—(Bailey). Magnificent mural cliffs are seen on Grass' Mill Stream, Shepody River. Precipices occur on Wilson's Brook, 140 to 180 feet high and a quarter of a mile long. The upper beds are white, the lower bluish and hard, and reflect a dazzling brilliancy when struck by the setting sun. In Westmorland, it occurs on Shepody Bay; North River; near Anagance; two miles north of Salisbury Station. St. John County, near Martin's Head. King's in several places. The plaster cliffs on the Tobique are 130 feet high, and present several fine varieties.

Freestones. (See Grindstones).

Hone-Stones.—Manufactured hone-stones and scythe-stones, procured from a bed thirty-six feet thick at Cape Bon Ami, near Dalhousie, were exhibited at the Provincial Exhibition in 1851. Good material also occurs above the Narrows of the Tobique.

Hydraulic Limestones and Cements.—Prof. Hind believes that the thin bands of limestone which abound on the St. John River above Presqu'isle and near Woodstock, would yield a good hydraulic cement.

Iron.—Large deposits of hematite and limonite, occurring in beds from six inches to eight feet thick, were mined for several years at Jacksontown, near Woodstock. About 40,000 tons are reported to have been smelted. The iron is of very superior quality. Some samples of the ore yielded as much as 48 per cent. of metallic iron. The deposit extends over a large district in the County of Carleton.

At West Beach and Black River, St. John Co., several large beds of hematite have been found.

Iron, Blue Phosphate of, found in considerable quantities in the clay banks about 25 miles above the Grand Falls of St. John River, near the mouth of Green River.

Iron Pyrites, employed in the manufacture of copperas or green vitriol, alum, sulphur, and carbonate of Soda. Found in the St. John slates near the Suspension Bridge, on Navy Island; Miramichi, below Chatham, and many other places, but nowhere mined.

Kaolin fit for the manufacture of pottery, is reported from the granite districts of Charlotte Co.

Lead, Galena, is found in veins at the foot of Bradley Island on the Tobique; on Hammond River in the parish of Upham; on Frye's Island. Not of economic importance.

Limestone is abundant in the following counties:—St. John, Albert, Westmorland, Queen's, King's, Restigouche, Victoria, Charlotte and Carleton. A large number of lime-kilns are in operation within a few miles of the city of St. John, along the Narrows, and elsewhere; and a vast quantity of lime of excellent quality is produced.

Manganese.—Pyrolusite is found in veins and pockets in the lower carboniferous limestone at Markhamville, and is profitably worked. Found also on south-western Miramichi, and associated with iron ores of Woodstock.

Moulding Sand.—Prof. Hind reports an immense deposit below Tibbit's Brook, near the mouth of the Tobique; also about twenty miles above the Grand Falls. (Preliminary Report, 1865.)

Petroleum, or Oil Springs, occur three miles north of Hillsborough, on the east side of the Petitcodiac, and elsewhere. Several borings have been made, but the present cheapness of the imported article has rendered the work unprofitable.

Plumbago. (See Graphite.)

Salt Springs exist in the parishes of Upham and Sussex.

Zinc Blende, or Sulphuret of Zinc, is found in Prince William Parish, below the road, in a gully on Marshall's farm. Associated with galena in small quantities at Campo Bello; on the Nerepis, and in boulders near Dalhousie.

NOVA SCOTIA.

Argentiferous Galena. (See Silver.)

Barytes, or Heavy Spar, is mined in small quantities at Five Islands. It is pure white, and often in very beautiful crystalline masses.—(Dawson). Used in producing the cheaper kinds of white paint, in the manufacture of paper-hangings, &c. Formerly quarried on the banks of the Stewiacke. Associated with iron ores at Londonderry mines.

Clay suitable for bricks and pottery exists in large quantities on the Shebunacadie, in Hants, Colchester, Pictou Co., Chezzetcook, and elsewhere. Brick is extensively manufactured.

Clay Ironstone. (See Iron).

Coal.—The carboniferous series of rocks in the Provinces have been estimated to cover an area of 7,700 square miles, distributed as follows:—Central Coal Field of New Brunswick and Nova Scotia, 6,800 square miles; Colchester and Hants, 200 square miles; Pictou, 350 square miles; Richmond and Cape Breton, 350 square miles. At the Joggins, 76 seams of coal, with their underclays, have been described, giving an aggregate thickness of coal of 45 feet, the thickest seams being 3½ and 11½ feet. At Pictou, one seam of 37½ feet and another of 22½ feet are separated from each other by 157 feet of rock. In Cape Breton seams of 9 feet and 6 feet 9 inches have been found. At Springhill eight or nine seams exist, the principal one being 11 feet thick; another of 13 feet, but with two clay partings, furnishes good coal. Twenty-four collieries were in operation in 1876, and 709,646 tons of coal produced. All these mines are in the Cumberland, Pictou and Cape Breton areas. Coal seams occur in very many localities.

Copper is found at Cape d'Or in veins and fissures of the Trap rocks, in masses ranging from a few grains to several pounds, but attempts to work it have not been successful. Near Lochaber Lake several rich veins from two to six feet wide are said to occur. At Polson's Lake a vein of spathic iron, holding rich copper pyrites, promises an abundant yield. Copper pyrites of very rich quality has been reported from the south branch of Salmon River. Other places are Indian Point, Peter's Point, Briar Island. The gray sulphuret, with some green carbonate, is found at Caribou River, the West River, a little below Durham, and the East River, a few miles above the Albion Mines, also French and Waugh's Rivers.

Freestone, see Grindstones. *Galena*, see Lead.

Gold was mined in thirteen districts in 1876, and a total of 12,038 ounces produced. Nearly half of this amount was from the Sherbrooke district, the next important being those of Oldham, Waverly and Wine Harbor. A new mine opened at Cochrane's Hill on St. Mary's River, in quartz veins, is said to be unusually rich in visible gold. The mines are situated in the Cambrian Quartzite formation of the Atlantic Coast, except that of Gay's River, which occurs in the Lower Carboniferous. (Dawson.) This series of rocks is said to cover an area of 6,000 square miles and to comprise a thickness of 12,000 feet. The auriferous or productive strata are estimated at 9,000 feet in thickness. Special localities are too numerous to mention. See article on Geology.

Granite covers large areas in Nova Scotia, and presents many varieties differing in texture and color. The graphic granite of Shelburne is well known. Extensive quarries are worked near Halifax. Syenite and Porphyry of excellent quality and well suited for building and monumental purposes abound in the Cobequids, on the east side of Bras d'Or and elsewhere in Cape Breton.

Grindstones, and Freestones for building are extensively quarried for exportation at Wallace and Pictou. At Saw Mill Brook, blocks and flags of excellent quality can be procured in abundance. Grindstones and Whetstones to the value of $35,847 were exported from the Lower Cove quarries at the Joggins in 1876. Other quarries exist at Seaman's Cove, Ragged Reef and Hebert River. In Guysborough. In Cape Breton at Port Hood Island; Margarie; Whycocomagh and other places.

Gypsum was exported from Nova Scotia in 1876, to the extent of 80,920 tons. It is abundant all the way from Minudie to Pugwash and Wallace, especially at the latter place and at Napan. There are extensive quarries at Windsor, Newport, Walton, Shubenacadie and many other places. Found in Antigonish and East River of Pictou. An enormous bed is exposed at Plaster Cove in Cape Breton; also at Caribou Cove, Little River, Lennox Passage, Chetecamp, Margarie River, St. Ann's, Lake Ainslie, Mabou, Big Harbor on the Great Bras d'Or, etc., etc. On the St. Croix, near Windsor, a long range of cliffs of snow-white gypsum presents one of the finest exposures in the Province. It consists principally of Anhydrite or hard plaster, sometimes called "Sharkstone" by quarrymen, from its rough shagreen-like surface when weathered.

Hydraulic Limestone producing a good cement is found at Chester Basin.

Iron. The most productive mines are those of the Steel Company of Canada in Londonderry. The supplies are drawn from extensive beds of Limonite. A great vein of specular and spathic ore was formerly worked, but is now neglected. In 1876, 15,274 tons were mined. The iron deposits on the East River of Pictou are said by Dr. Dawson to consist of—(1). "A bed of red hematite in the Lower Helderberg slates. It has a percentage of forty-three to fifty-four of iron, and varies in thickness from ten to thirty feet. Its outcrop has been traced for several miles over ground where it is very accessible, and not more than twelve miles distant from the great Pictou collieries. (2). A vein of crystalline specular ore, . . . It has been traced for a mile or more, and in some places has a thickness of twenty feet of pure ore. Masses of magnetite occur in parts of the vein, and also quantities of spathic iron and ankerite. (3). Veins of limonite, which occur in many places on the East River of Pictou; some of them of large dimensions, and associated with subordinate veins and concretions of pyrolusite or manganese ore. (4). In the Lower Carboniferous, on Sutherland's River, there is a remarkable vein of crystalline spathic iron ore or carbonate of iron." In Colchester, rich deposits of limonite are found at Brookfield and Old Barns, and near the mouth of the Shubenacadie. A bed of peroxide six feet thick occurs at Nictaux and develops into extensive beds of magnetic iron at Moose River.

Clay Ironstone occurs in beds from six inches to four feet thick on French River, Pictou County. The ore contains thirty-five per cent. of iron. In the Joggins Section it is found in balls in the shales and in irregular bands. Nodules are present in large quantities in the coal measures of Glace Bay and Sidney. Various iron ores are reported from many localities.

Iron Ochres and Mineral Paints are abundant in connection with the iron deposits. They are worked to some extent at Londonderry mines, Folly Mountain and other places.

Titaniferous Iron Ore occurs at Sable River, Shelburne County, and in sand at Digby Cove.

Lead, Galena. A vein has been worked at Caledonia, Guysborough County. Disseminated crystals and small veins of sulphuret of lead are found in limestone at Gay's River. See Silver.

Limestones abound in Cumberland, Colchester, Hants, Pictou, Antigonish, Guysborough, and every county in Cape Breton. Immense deposits crop out in several districts. From Minudie to Pugwash and Wallace it is extensively developed. The bituminous limestone of the Joggins is richly charged with phosphates in the form of fish bones and scales, and is worth three times as much as ordinary limestone for agricultural purposes. The production of lime has become an important branch of industry.

Manganese Ores in veins or disseminated in nodules are found in considerable quantities at Terry Cape, where a specimen of the ore has yielded five ounces of silver to the ton, and at Onslow Mountain where it has been worked with profit. On the East River of Pictou it is associated with limonite.

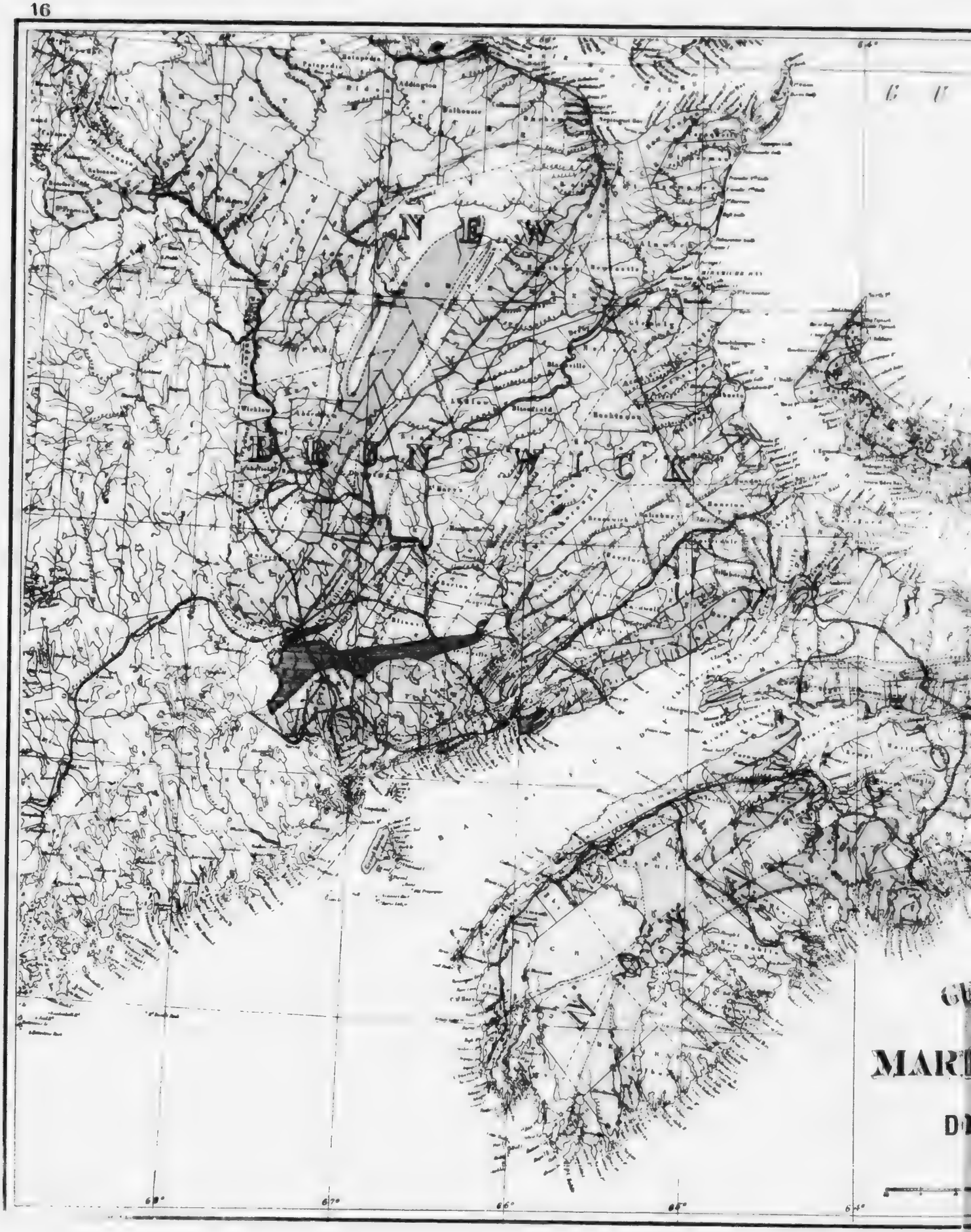
Marble of various beautiful varieties has resulted from the alteration of the limestones at Craignish and Long Point, Cape Breton. An outcrop of gray and white Marble appears along the line from Long Island on the Little Bras d'Or toward the East arm. White and purplish varieties, also a variety with green spots, tinged by serpentine, are found at Five Islands. The white is sometimes very pure and fine-grained. At Fraser's Mountain and Little Harbor, a concretionary limestone of peculiar character resembling marble, has attracted attention for ornamental purposes.

Salt Springs originating in the Lower Carboniferous rocks, occur at Walton and at Springhill, two miles from the mines. At Antigonish borings have been made, from which a rich flow of brine has been obtained.

Silver in the form of a sulphide and argentiferous galena have been found at Watchabuckt in Cape Breton. The indications of its presence in quantity are good. Argentiferous galena occurs in a vein five inches thick on the North River of St. Ann's Bay, Cape Breton. The ore yields 135 pounds lead and 2[illegible] ounces of silver per ton. See Manganese.

Slate fit for roofing is met with at New Canaan and the Middle River of Pictou; also at several places on the Atlantic coast.

Umber is worked at Chester and sold as Chester mineral paint.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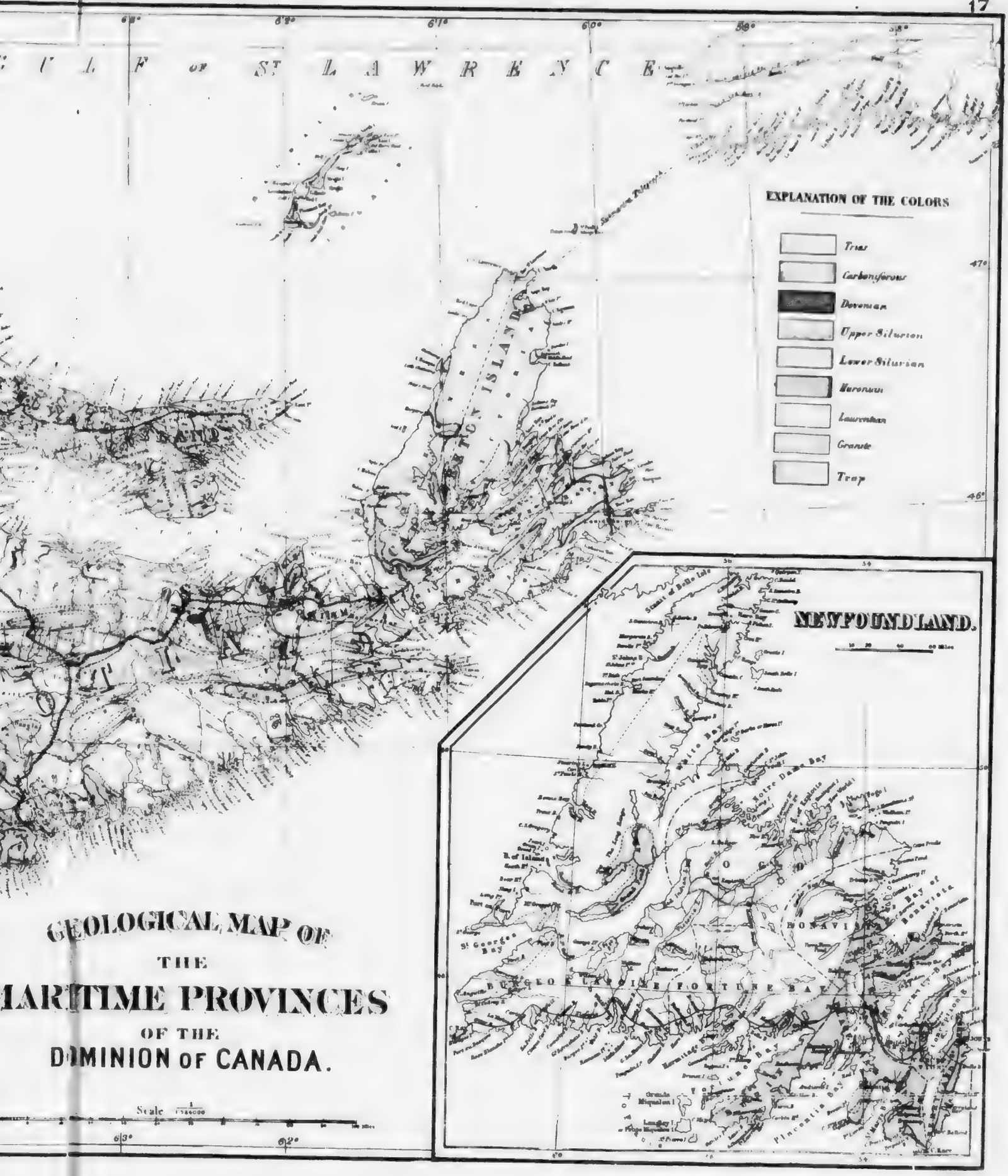
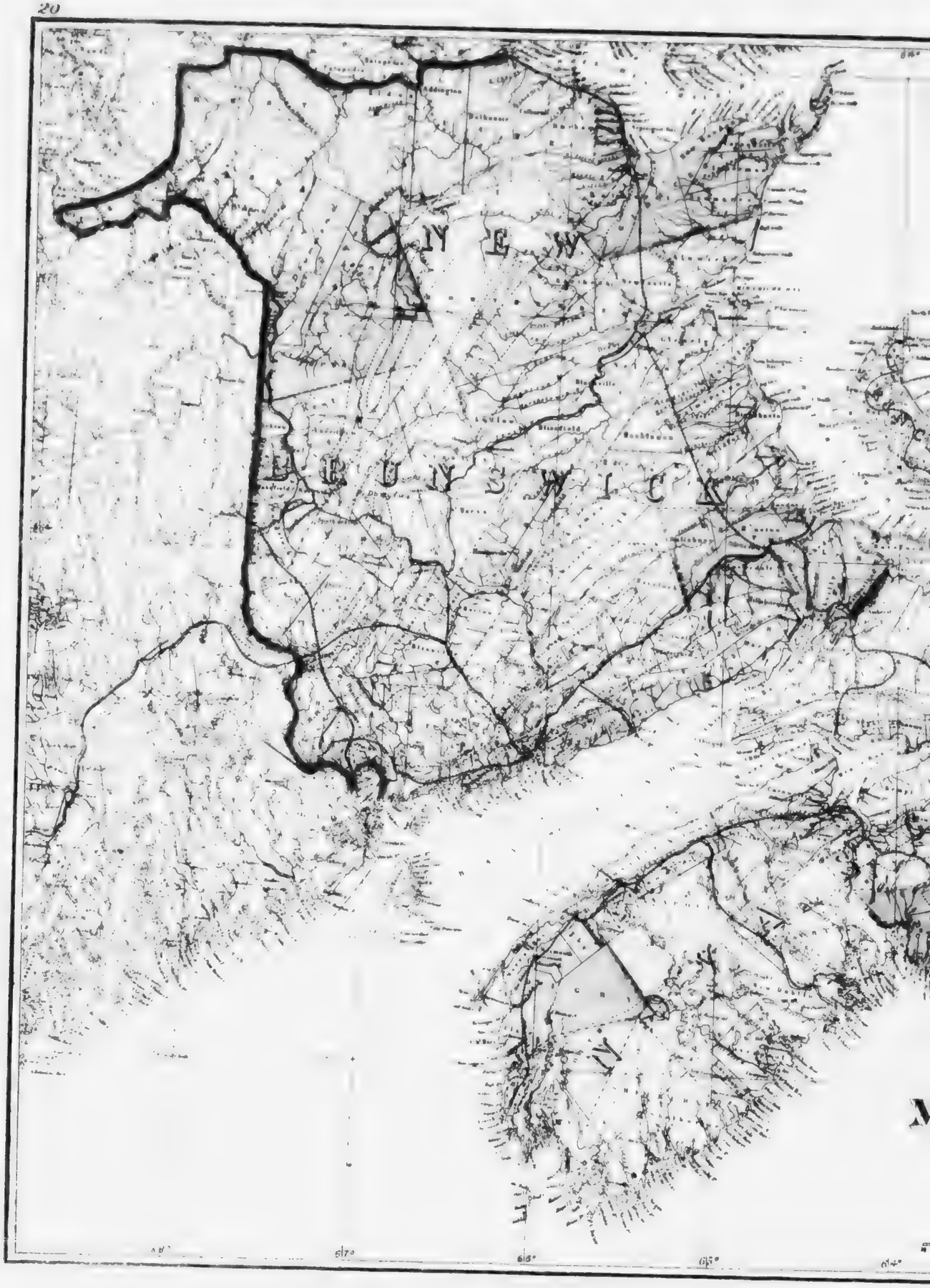


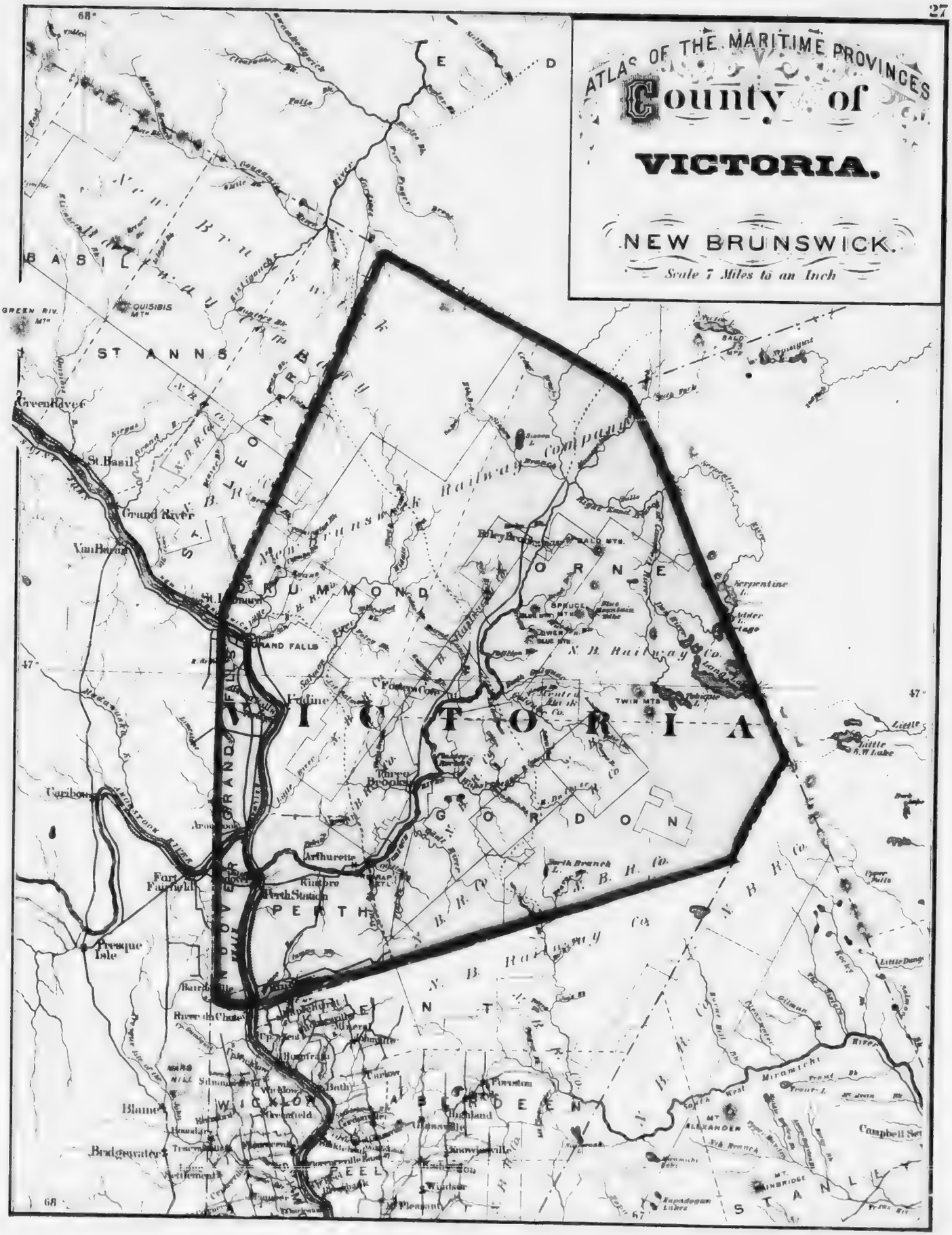
GEOLOGICAL MAP OF THE MARITIME PROVINCES OF THE DOMINION OF CANADA.

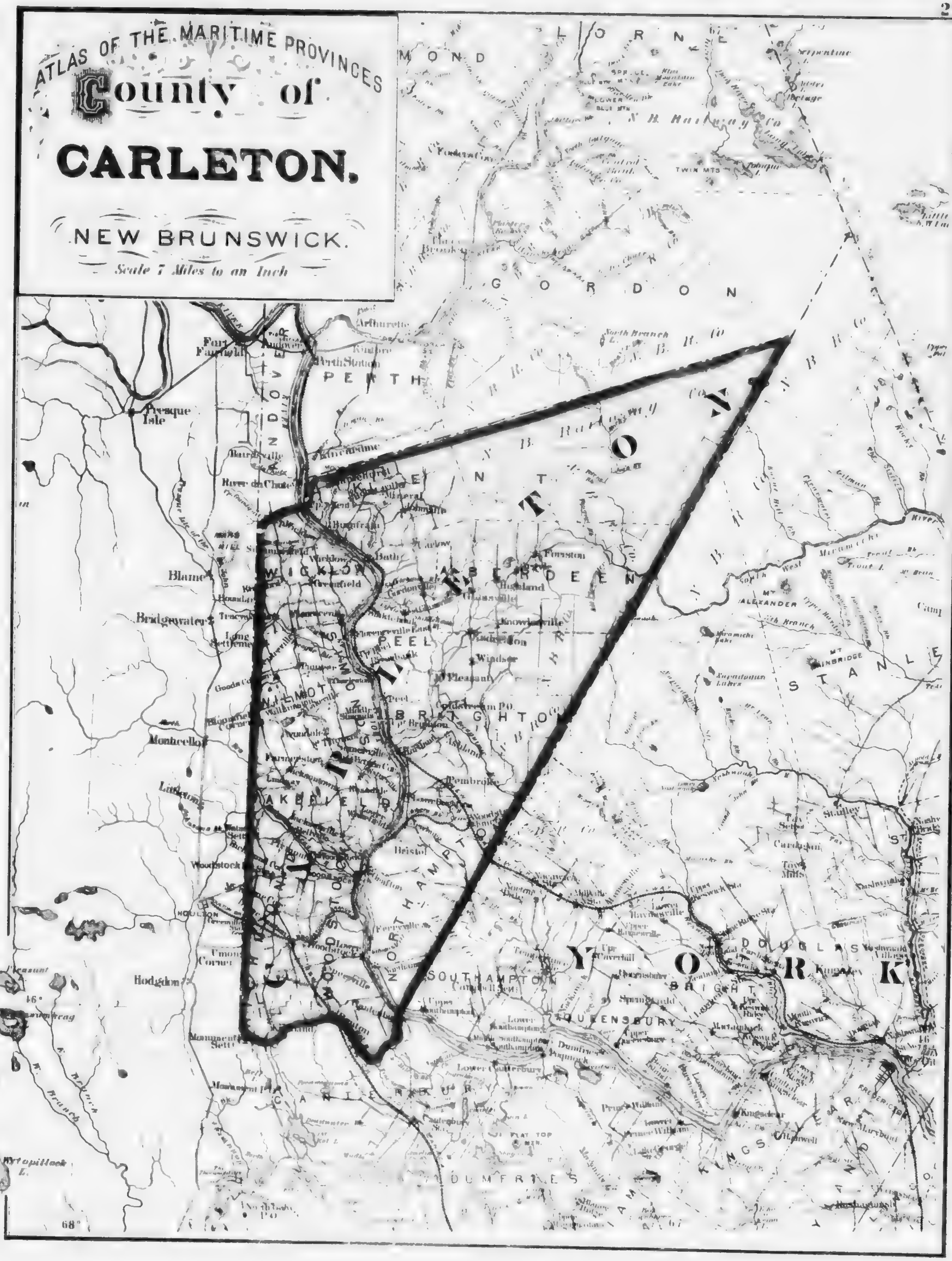

NEW
BRUNSWICK

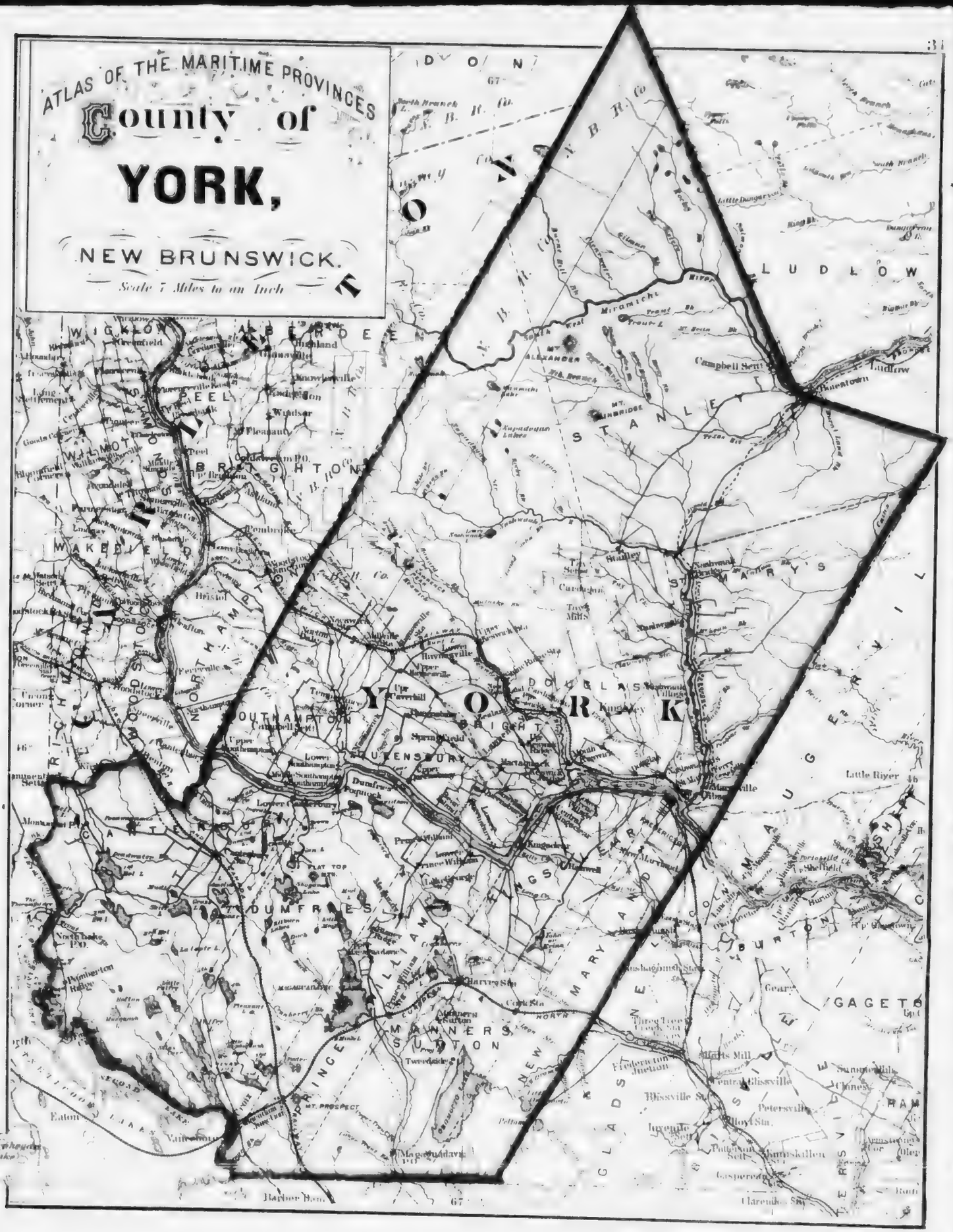
GULF OF ST LAWRENCE
NEWFOUNDLAND.
MAP OF
THE
MARITIME PROVINCES
OF THE
DOMINION OF CANADA.
Scale
64°
63°
62°

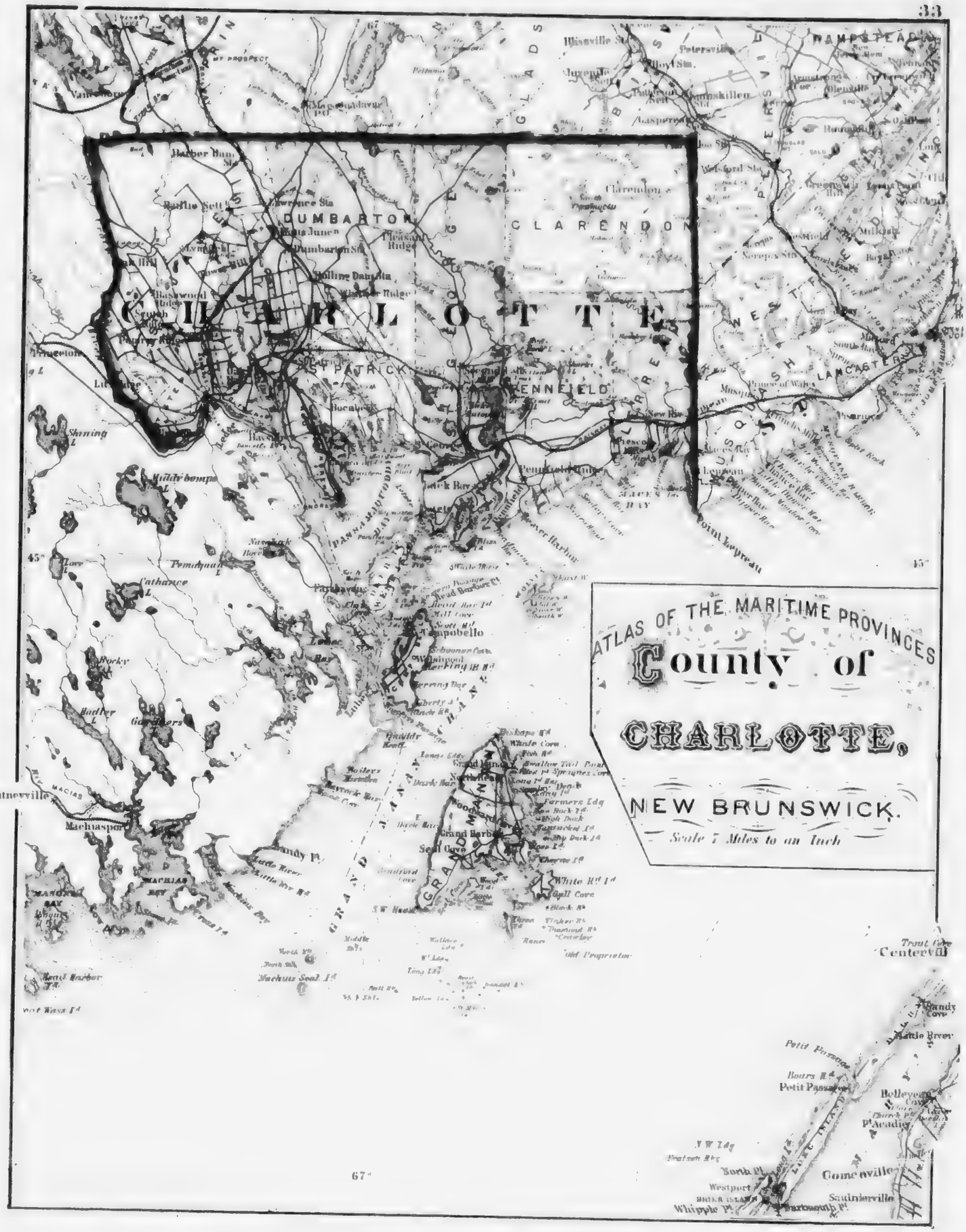
CHOLAS RIOUX
DUQUESNE
CHENIER
TROIS PISTOLES
BEDARD
BEGON
RAUDOT
HOCQUART
DEMERS
MAND
CABANO
COURT
PACKINGTON
ROBINSON
ST BASIL
ST ANNS
ST HILLAIRE
ST FRANCES
Edmundston
St Basil
St Hillaire
Green River
Fort Kent
Grand River
Van Buren
GRAND FALLS
U.S. OBSERVATORY 1841
Detour du Lac
PROPOSED RAILWAY
68°
48°
47

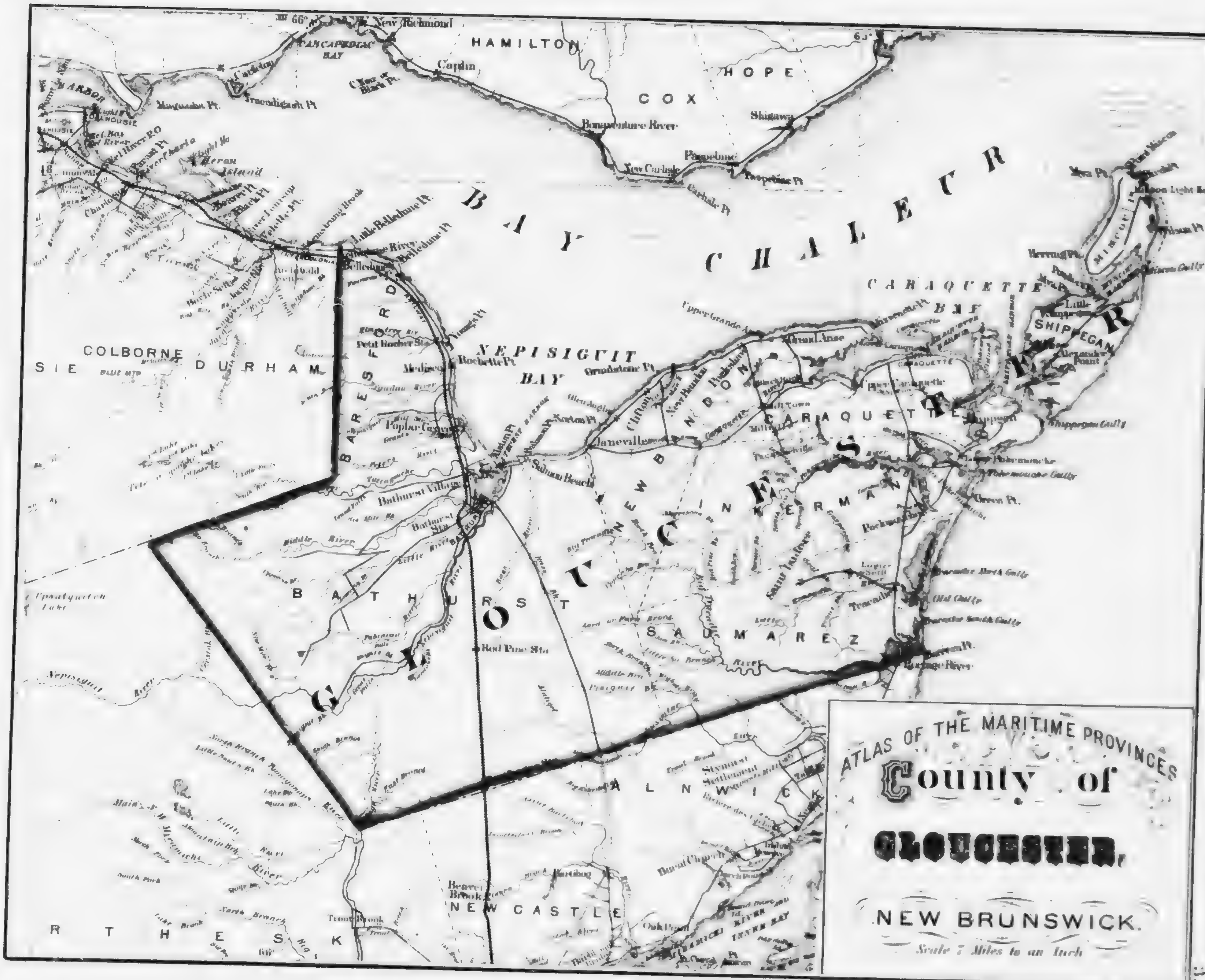
ATLAS OF THE MARITIME PROVINCES
Counties of
RESTIGOUCHE
and
MADAWASKA,
NEW BRUNSWICK.
Scale 7 Miles to an Inch
RESTIGOUCHE
ADDINGTON
DALHOUSIE
COLBORNE
DURHAM
ELDON
PATAPEDIA
LORNE
DRUMMOND
VICTORIA
NOUVELLE
CARLETON
MARIA
MANN
RESTIGOUCHE
METAPEDIA
Assametquagan
Mill Stream
Broadlands
Cross Point
Campbellton
Dalhousie
Runnymede
Cross Pt
Heron Island
Middle River
Grand Falls
TWIN MTS
SLATE MT
BAY DES CHALEURS
67°
66°
48°


ATLAS OF THE MARITIME PROVINCES
County of
VICTORIA.
NEW BRUNSWICK.
Scale 7 Miles to an Inch
VICTORIA
ST ANNS
GORDON
PERTH
WICKLOW
ABERDEEN
PEEL
STANLEY
Green River
St. Basil
Grand River
Van Buren
St. Leonard
Grand Falls
Perth Station
Fort Fairfield
Presque Isle
Caribou
Blaine
Bridgewater
Arthurette
Three Brooks
Plaster Rock
Riley Brook
Serpentine L.
Little G.W. Lake
Little Dungarvon
Campbell Set
Mt. Alexander
Mt. Sinbridge
Twin Mts
Spruce Mts
Bald Mts
Quisibis Mts
Green Riv. Mts
Miramichi River
Grand River
N. B. Railway Co.
N. B. R. Co.
68°
67°
47°

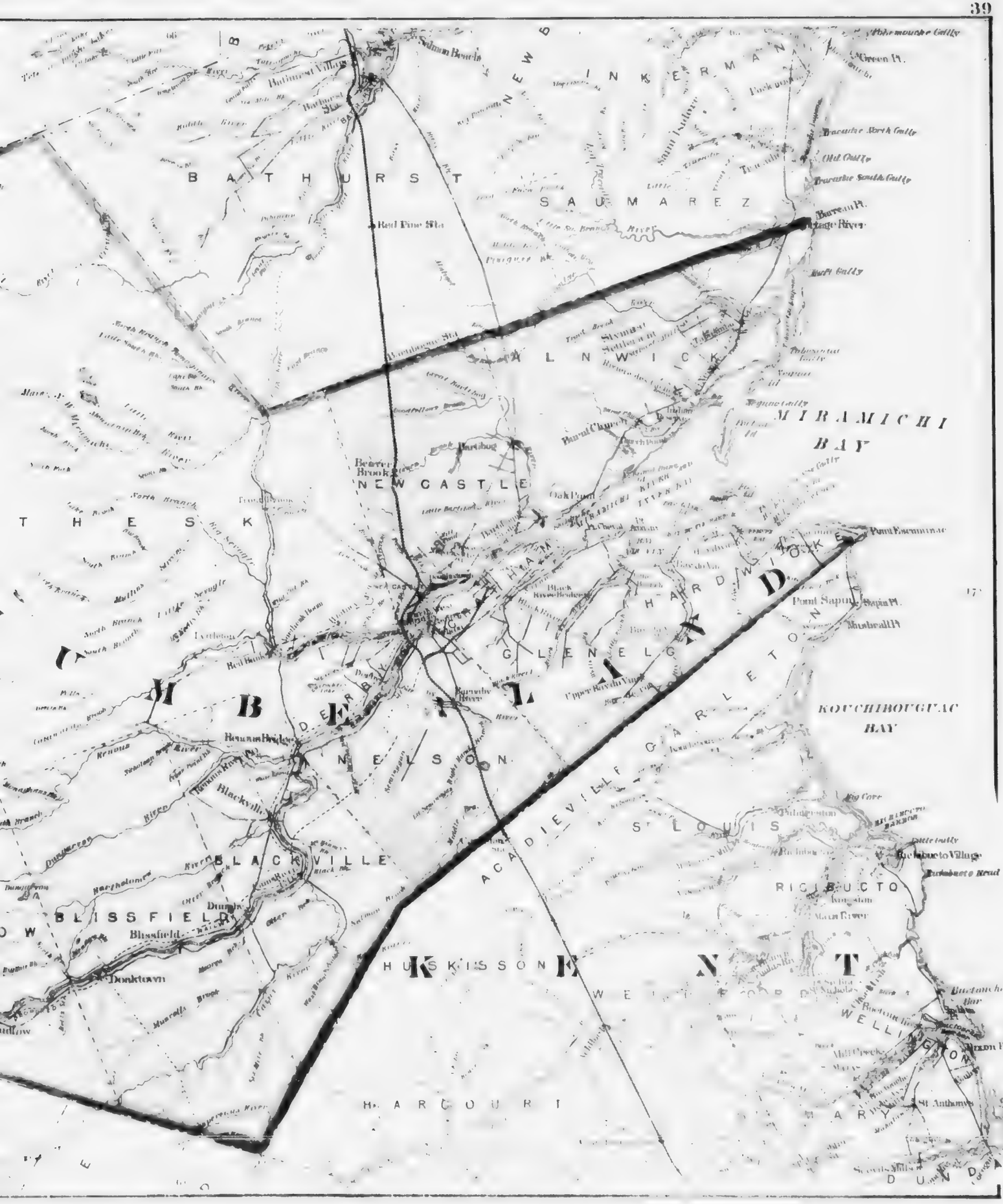

ATLAS OF THE MARITIME PROVINCES
County of
CARLETON.
NEW BRUNSWICK.
Scale 7 Miles to an Inch
GORDON
PERTH
ANDOVER
WICKLOW
ABERDEEN
PEEL
WILMOT
BRIGHTON
WAKEFIELD
NORTHAMPTON
WOODSTOCK
SOUTHAMPTON
YORK
DOUGLAS
BRIGHT
QUEENSBURY
CANTERBURY
DUMFRIES
KINGSCLEAR
STANLEY
Presque Isle
Blaine
Bridgewater
Monticello
Hodgdon
Houlton
Woodstock
Bath
Florenceville
Hartland
Pembroke
Bristol
Windsor
Knowlesville
Glassville
Bairdsville
River du Chute
Perth Station
N. B. Railway Co.
TWIN MTS
MT ALEXANDER
MT BAINBRIDGE
68°
46°

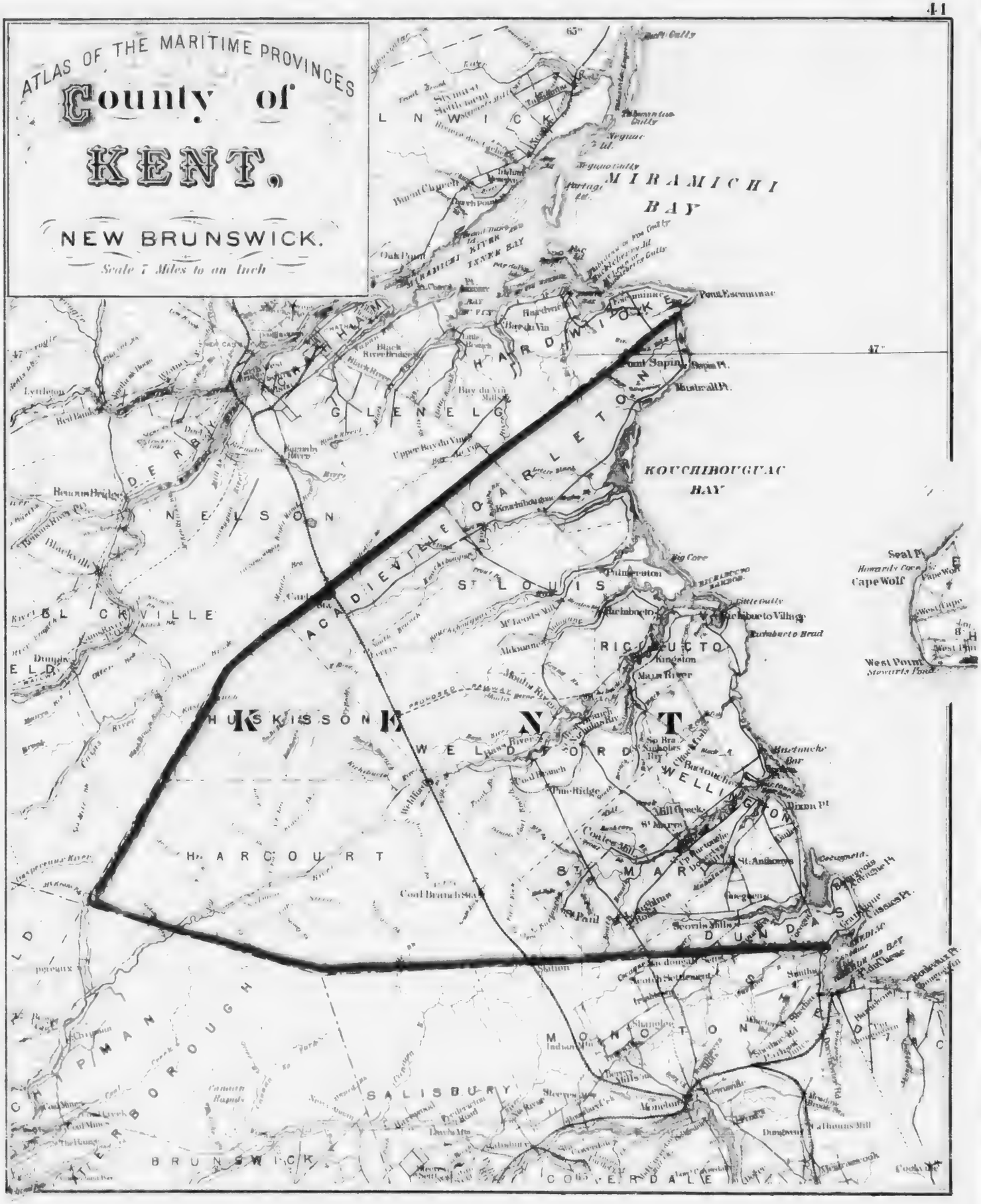

ATLAS OF THE MARITIME PROVINCES
County of
YORK,
NEW BRUNSWICK.
Scale 7 Miles to an Inch
YORK
STANLEY
LUDLOW
MARYSVILLE
DOUGLAS
BRIGHT
SOUTHAMPTON
QUEENSBURY
DUMFRIES
MANNERS SUTTON
BURTON
GAGETOWN
WAKEFIELD
WOODSTOCK
Fredericton
Marysville
Gagetown

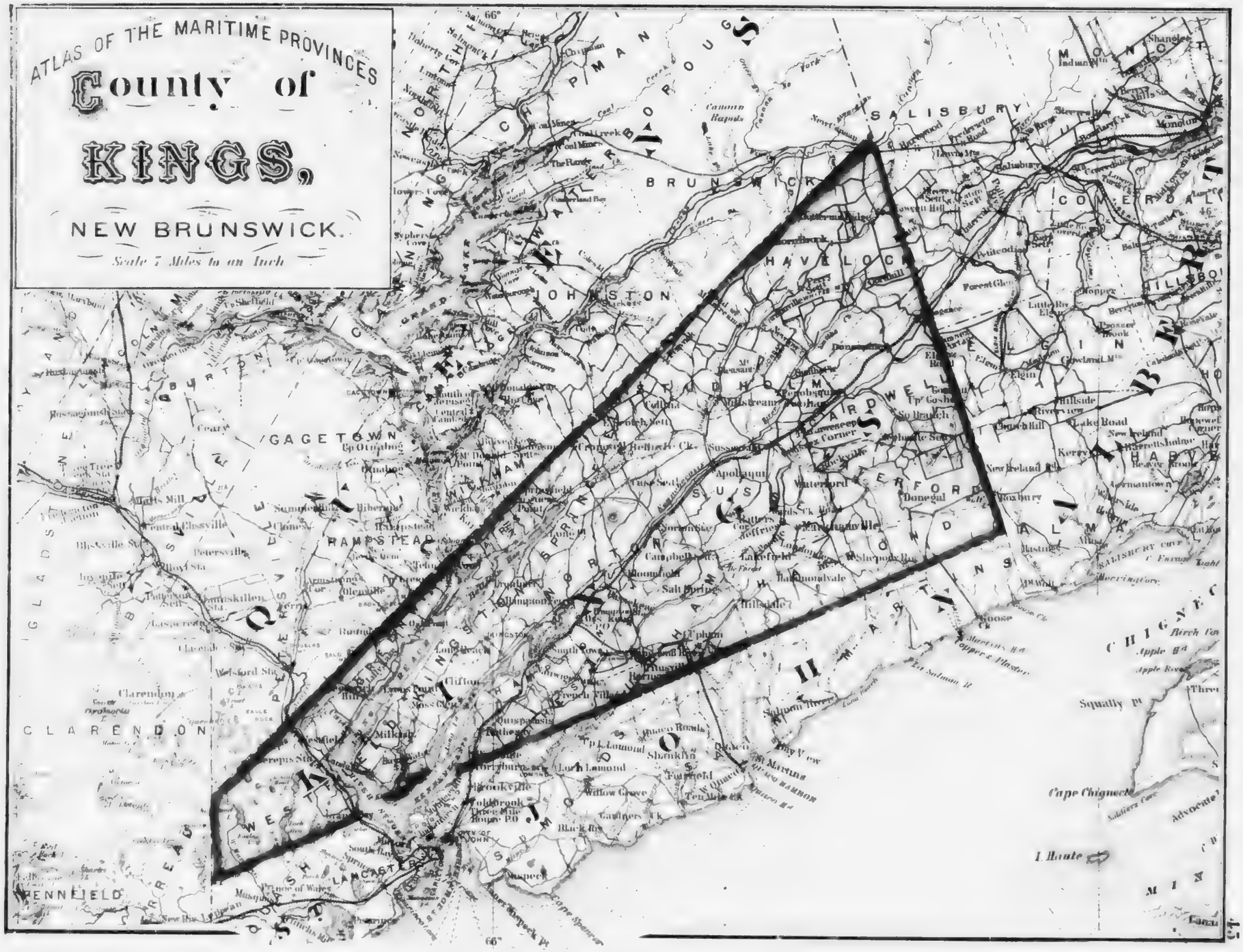

ATLAS OF THE MARITIME PROVINCES
County of
CHARLOTTE,
NEW BRUNSWICK.
Scale 7 Miles to an Inch
CHARLOTTE
DUMBARTON
CLARENDON
ST PATRICK
KENNEFIELD
LANCASTER
Whitneyville
Machaspor
Grand Manan
Centerville
Comeville
Sauniersville
Petit Passage
Point Lepreau
45°
67°

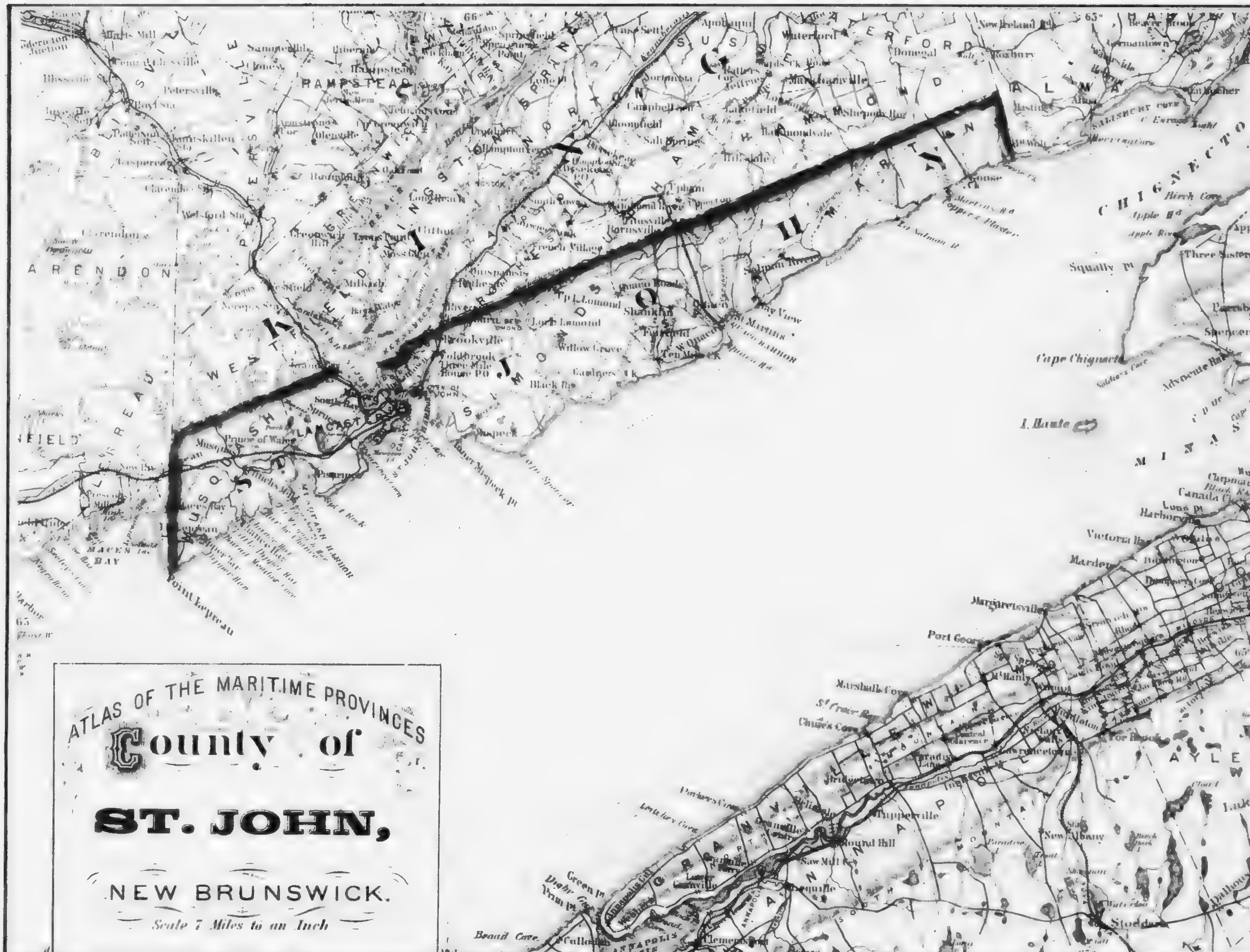

ATLAS OF THE MARITIME PROVINCES
County of
GLOUCESTER,
NEW BRUNSWICK.
Scale 7 Miles to an Inch
BAY CHALEUR
NEPISIGUIT BAY
CARAQUETTE BAY
GLOUCESTER
HAMILTON
HOPE
COX
COLBORNE
DURHAM
BERESFORD
BATHURST
NEW BANDON
CARAQUETTE
INKERMAN
SAUMAREZ
SHIPPEGAN
MISCOU
ALNWICK
NEW CASTLE
New Richmond
Caplin
Bonaventure River
New Carlisle
Paspebiac
Shigawa
Bathurst Village
Bathurst
Poplar Grove
Petit Rocher
Janeville
Grand Anse
Red Pine Sta
Little Belledune Pt.
Belledune Pt.
Herring Pt.
Shippegan Gully
Pokemouche Gully
Green Pt.
Old Gully
Tracadie
Heron Island
Nepisiguit River
Upsalquitch Lake
Miramichi
Oak Point
Trout Brook
Beaver Brook

ATLAS OF THE MARITIME PROVINCES
County of
NORTHUMBERLAND
NEW BRUNSWICK.
VICTORIA
NORTH
LORNE
DRUMMOND
GORDON
PERTH
ABERDEEN
WICKLOW
STANLEY
LUDLOW
GRAND FALLS
Grand River
St. Leonards
Fort Fairfield
Upsalquitch Lake
Nepisiguit
TWIN MTS
BALD MTS
Campbell Settl.
Ludlow
Bridgewater
Monticello
Blaine


BATHURST
SAUMAREZ
NEW INKERMAN
ALNWICK
MIRAMICHI BAY
NEW CASTLE
THESK
HARDWICKE
GLENELG
KOUCHIBOUGUAC BAY
NELSON
BLACKVILLE
BLISSFIELD
ST LOUIS
RICIBUCTO
HARCOURT
WELLINGTON
DUNDAS
Salmon Beach
Bathurst Village
Green Pt.
Bracadie North Gully
Old Gully
Bracadie South Gully
Burnt Gully
Red Pine Sta
Bartibog
Beaver Brook
Oak Point
Point Escuminac
Point Sapin
Sapin Pt.
Red Bank
Renous Bridge
Blackville
Dungarvon
Blissfield
Doaktown
Richibucto Village
Big Cove
Mill Creek
St Anthonys
Cocagne
Buctouche Bar


ATLAS OF THE MARITIME PROVINCES
County of
KENT.
NEW BRUNSWICK.
Scale 7 Miles to an Inch
MIRAMICHI BAY
KOUCHIBOUGUAC BAY
HARDWICKE
GLENELG
NELSON
ST LOUIS
RICHIBUCTO
KENT
WELLINGTON
HARCOURT
ST MARTINS
DUNDAS
MONCTON
SALISBURY
BRUNSWICK
COLPERDALE
CHIPMAN
Cape Wolf
West Point


ATLAS OF THE MARITIME PROVINCES
County of
KINGS,
NEW BRUNSWICK.
Scale 7 Miles to an Inch
SALISBURY
BRUNSWICK
HAVELOCK
JOHNSTON
GAGETOWN
HAMPSTEAD
CLARENDON
LANCASTER
COMERDALE
HILLSBOROUGH
HARVEY
ALMA
CHIGNECTO
Moncton
Petersville
Clarendon
Cape Chignecto
I. Haute



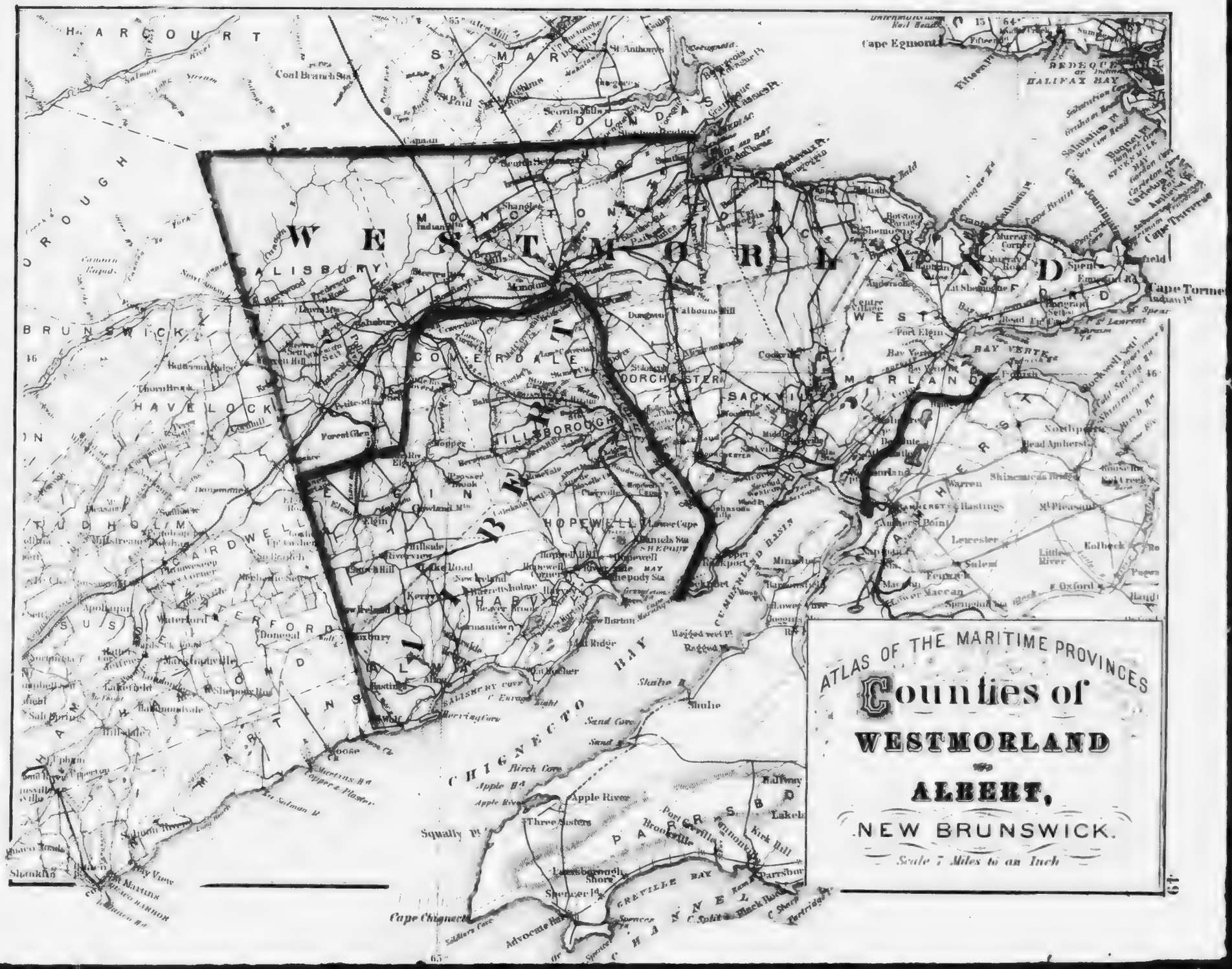
ATLAS OF THE MARITIME PROVINCES

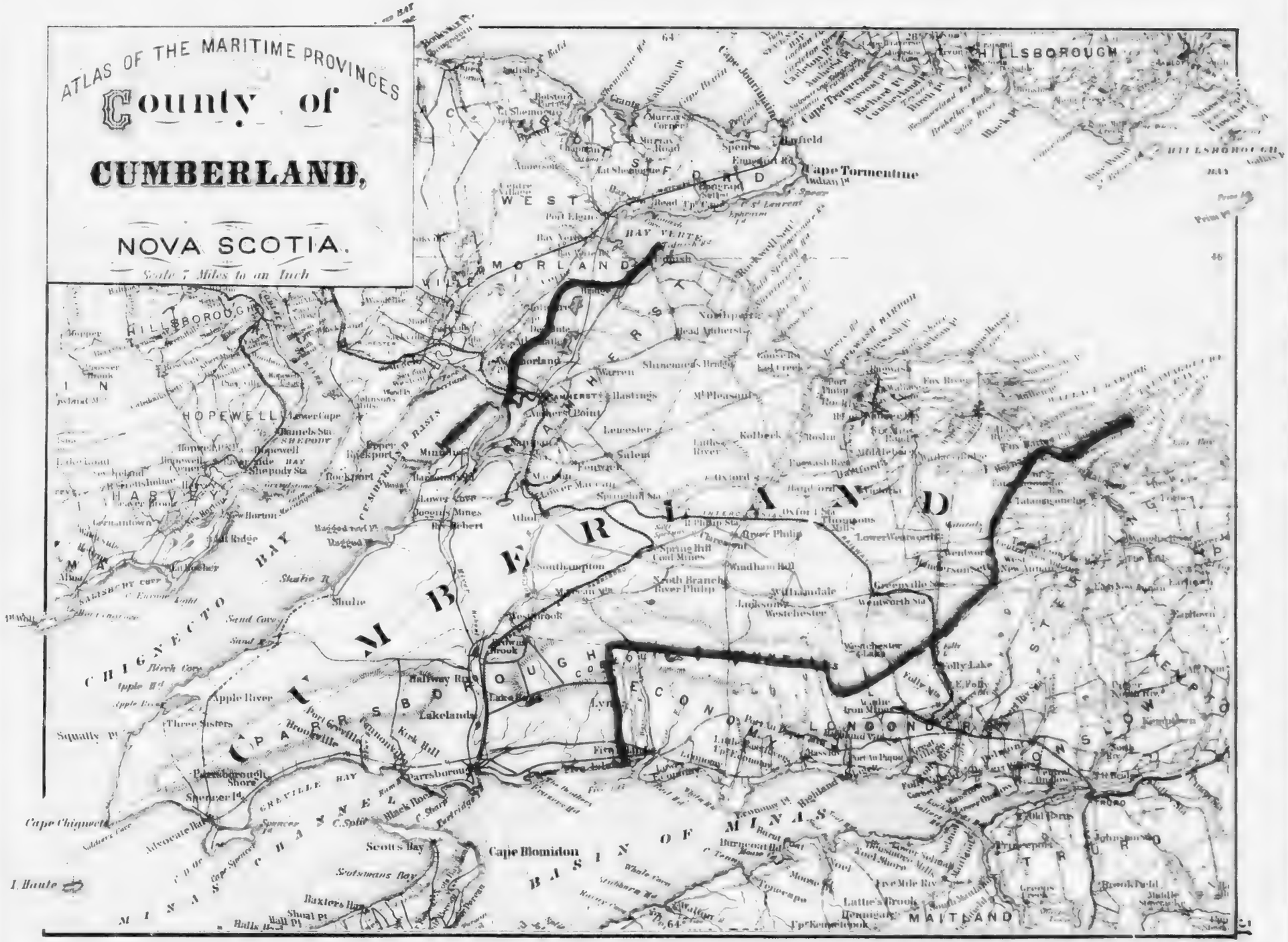
County of

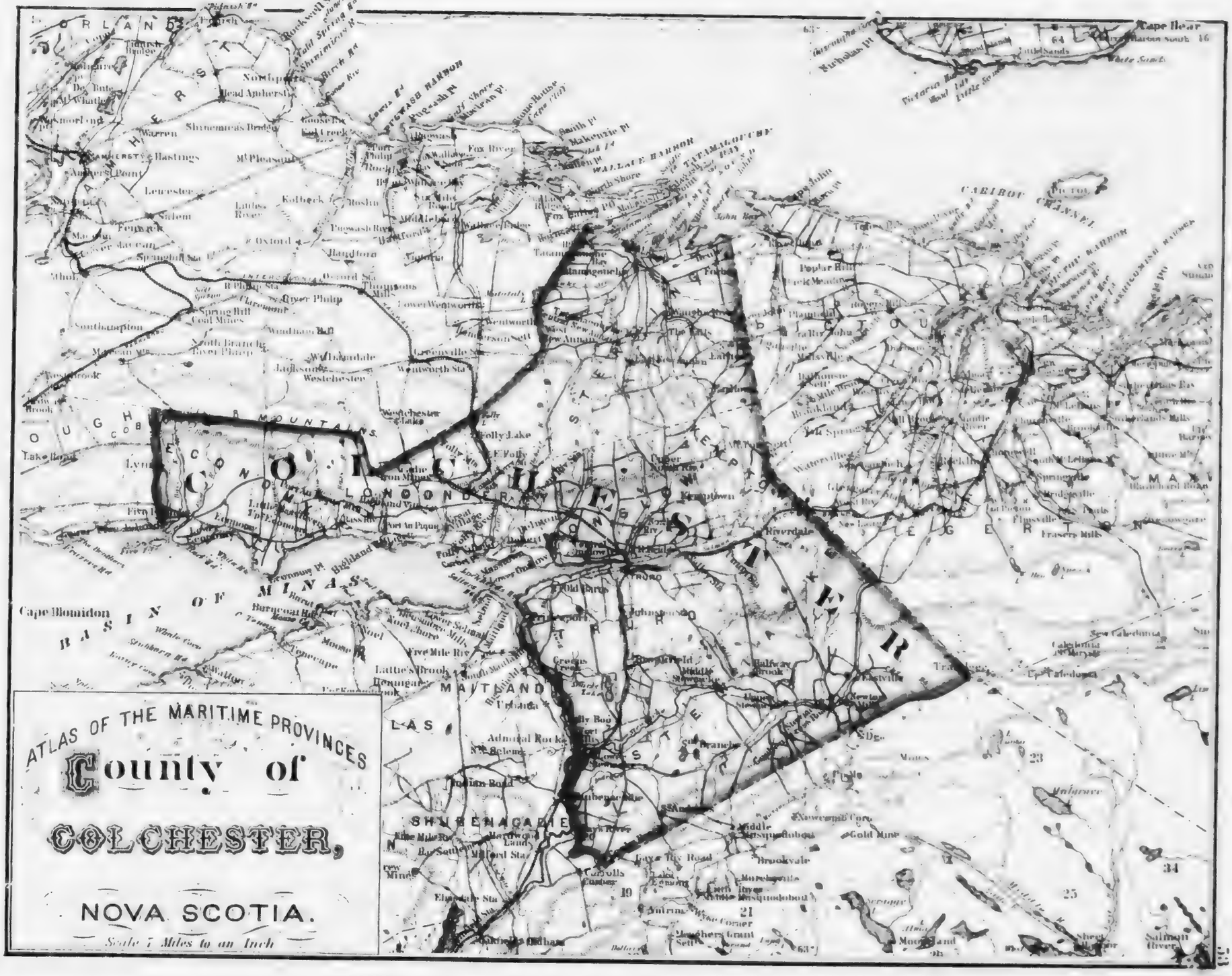
ST. JOHN,

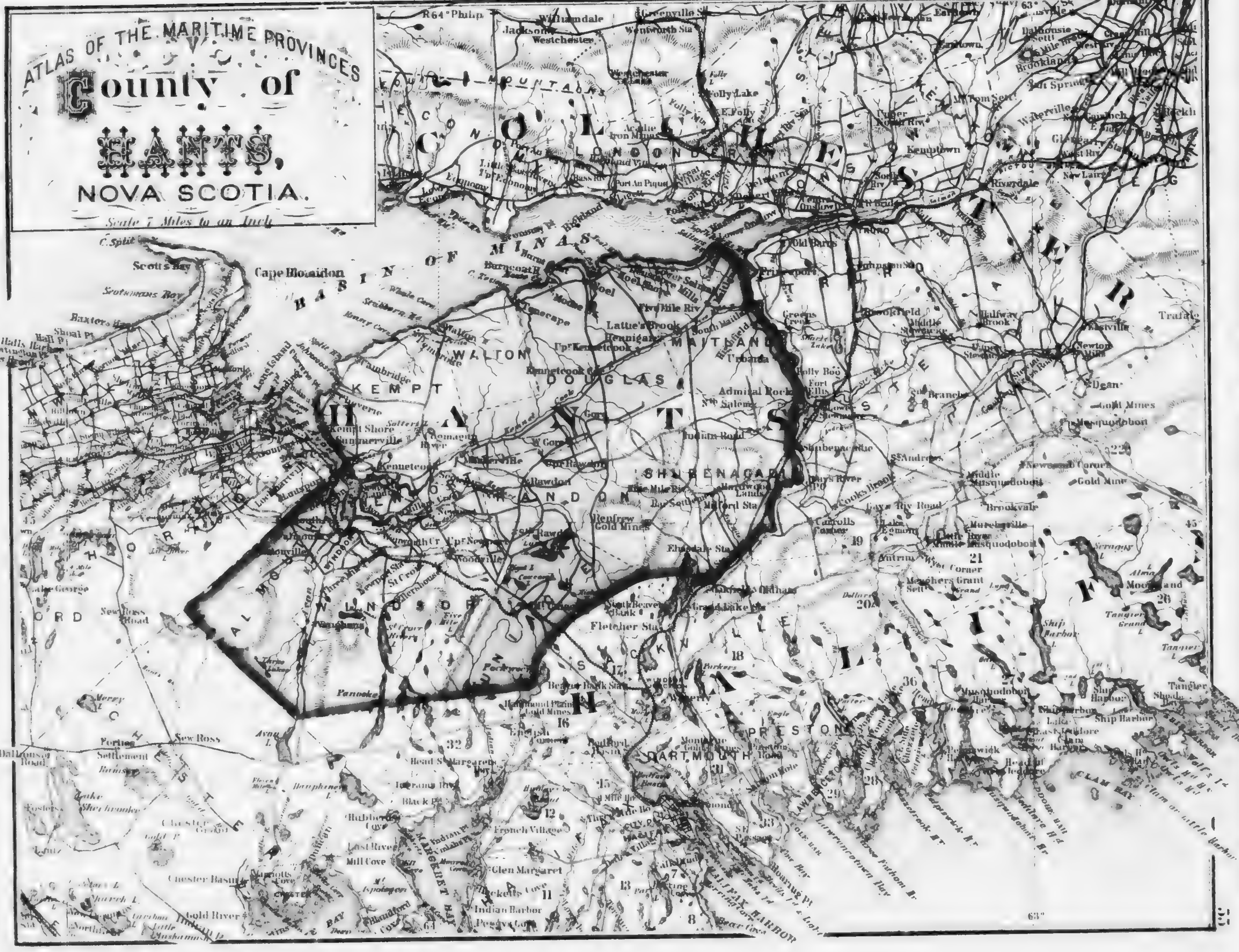
NEW BRUNSWICK.

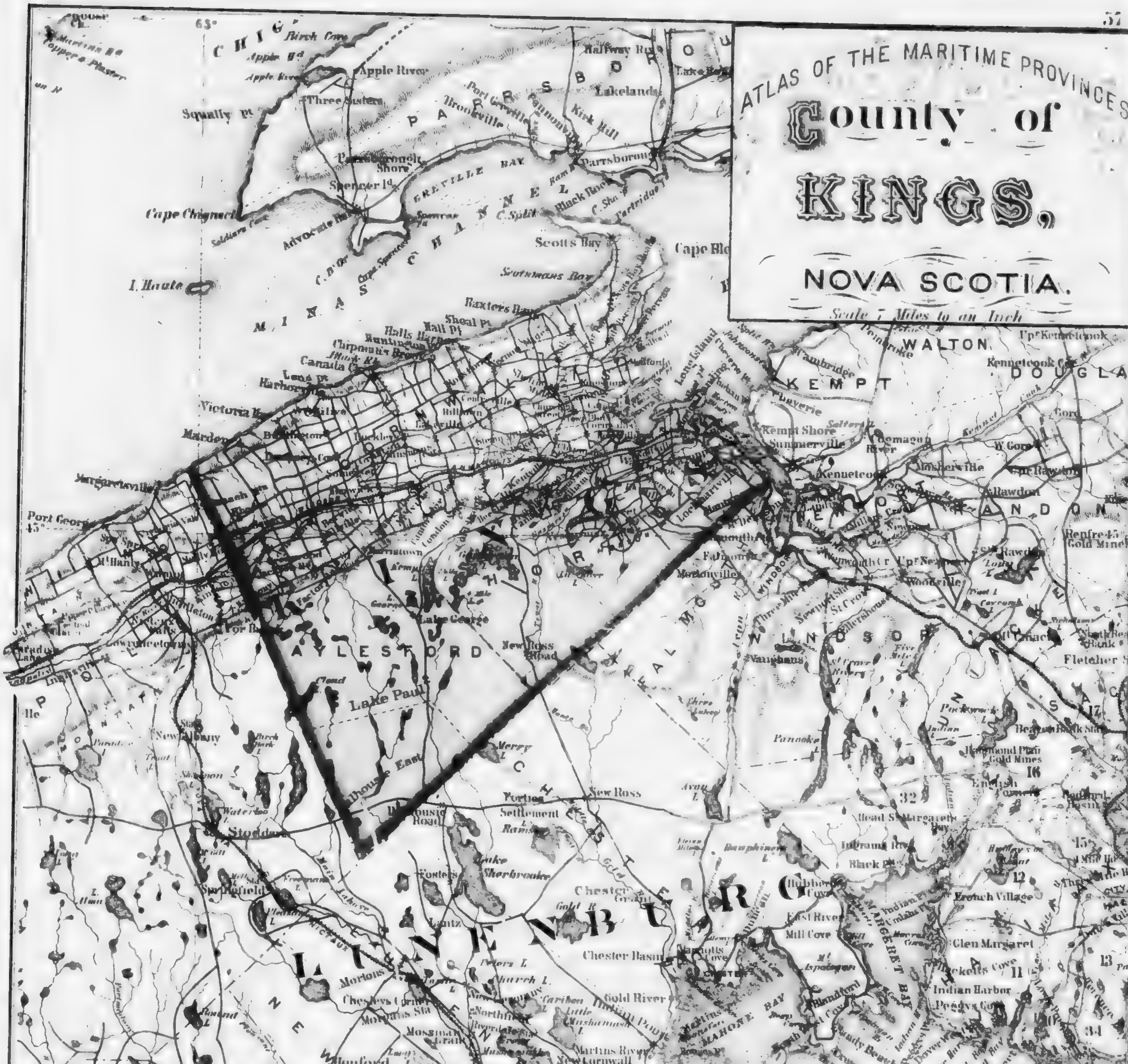
Scale 7 Miles to an Inch

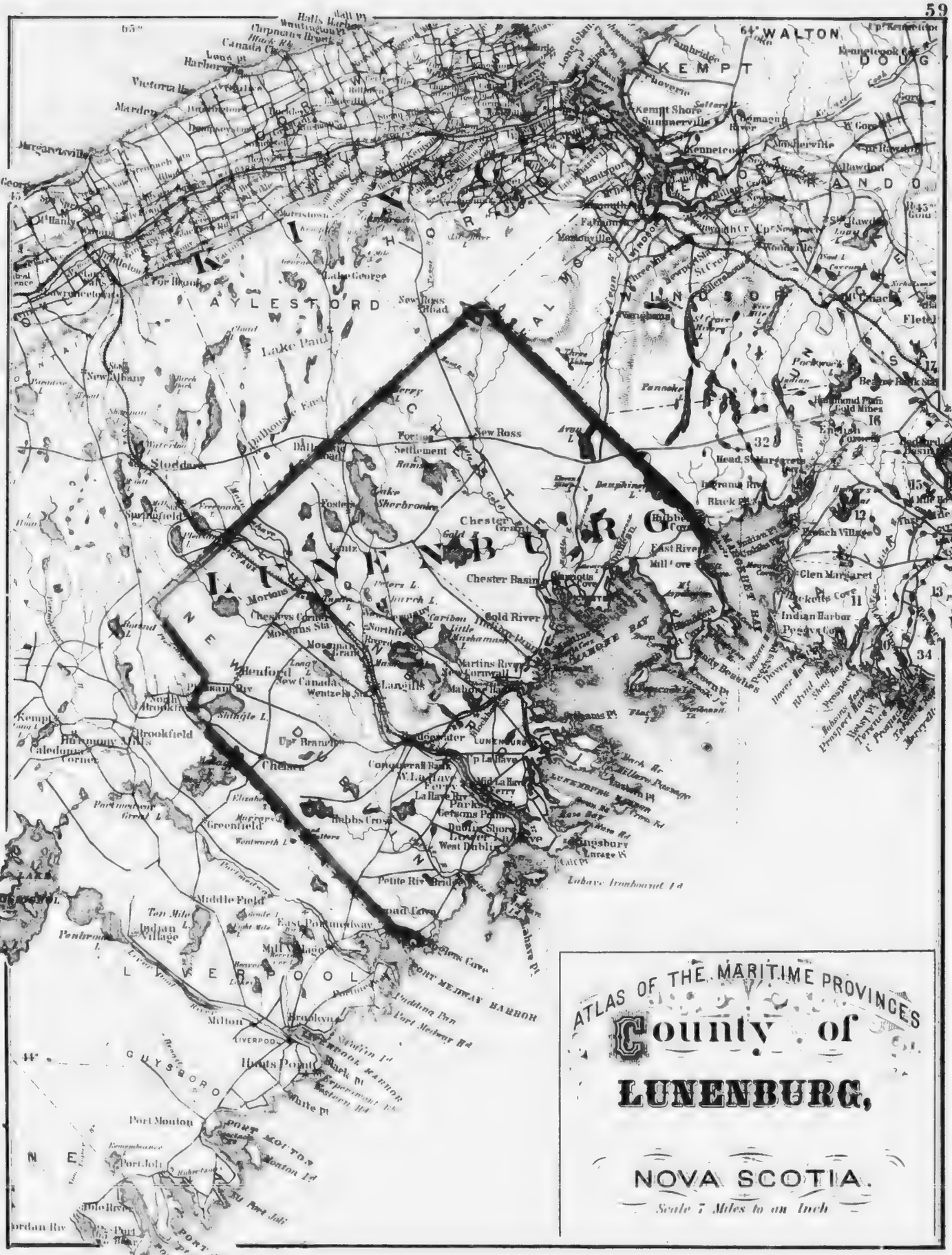

ATLAS OF THE MARITIME PROVINCES
Counties of
WESTMORLAND
&
ALBERT,
NEW BRUNSWICK.
Scale 7 Miles to an Inch
WESTMORLAND
ALBERT
HARCOURT
BRUNSWICK
HAVELOCK
COMERDALE
DORCHESTER
SACKVILLE
HOPEWELL
HARVEY
ELGIN
SALISBURY
MONCTON
DUNDAS
SHEDIAC
BAY VERTE
WEST MORLAND
Cape Egmont
REDEQUE or HALIFAX BAY
Cape Tormentine
Cape Chignecto
CHIGNECTO BAY
GREVILLE BAY
Apple River
Three Sisters
Squally Pt.
Advocate Harbour
Port Elgin
Moncton
Dorchester
Sackville
Hopewell
Hillsborough
Salisbury
Harvey
Elgin
Shediac
Shediac Is.
Shediac Bay
Sand Cove
Birch Cove
Apple River
Port Greville
Parrsboro
Kirk Hill
Lakeville
Spencer Id.
Spencers Is.
Black Rock
Partridge Is.
Cape Tormentine
Cape Jourimain
Cape Traverse
Cape Egmont
Coal Branch Sta.
St. Anthonys
Scotsville
Shediac Bridge
Point Du Chene
Bay Verte
Port Elgin
Cookville
Dorchester
Middle Sackville
Sackville
Mapleton
Hopewell Cape
Hopewell Hill
Hopewell Corner
Harvey
Harvey Station
Riverview
Hillsdale
Lake Road
New Ireland
Kerr's Ridge
Germantown
Hillsborough
Albert
Hillsborough Shore
Lower Cove
Rockport
Moncton
Salisbury
Hillsborough
Elgin
Petitcodiac
Hopewell
Harvey
Shediac
Shediac Is.
Shediac Bay
Sand Cove
Birch Cove
Apple River
Three Sisters
Squally Pt.
Port Greville
Parrsboro
Kirk Hill
Lakeville
Spencer Id.
Spencers Is.
Black Rock
Partridge Is.
Advocate Harbour
Cape Chignecto
Sackville
Middle Sackville
Dorchester
Port Elgin
Bay Verte
Point Du Chene
Shediac Bridge
Shediac
Shediac Is.
Sand Cove
Birch Cove
Apple River
Three Sisters
Squally Pt.
Port Greville
Parrsboro
Kirk Hill
Lakeville
Spencer Id.
Spencers Is.
Black Rock
Partridge Is.
Advocate Harbour
Cape Chignecto
Hopewell
Harvey
Elgin
Petitcodiac
Moncton
Salisbury
Hillsborough
Dorchester
Sackville
Middle Sackville
Port Elgin
Bay Verte
Point Du Chene
Shediac Bridge
Shediac
Shediac Is.
Sand Cove
Birch Cove
Apple River
Three Sisters
Squally Pt.
Port Greville
Parrsboro
Kirk Hill
Lakeville
Spencer Id.
Spencers Is.
Black Rock
Partridge Is.
Advocate Harbour
Cape Chignecto
Hopewell
Harvey
Elgin
Petitcodiac
Moncton
Salisbury
Hillsborough
Dorchester
Sackville
Middle Sackville
Port Elgin
Bay Verte
Point Du Chene
Shediac Bridge
Shediac
Shediac Is.
Sand Cove
Birch Cove
Apple River
Three Sisters
Squally Pt.
Port Greville
Parrsboro
Kirk Hill
Lakeville
Spencer Id.
Spencers Is.
Black Rock
Partridge Is.
Advocate Harbour
Cape Chignecto

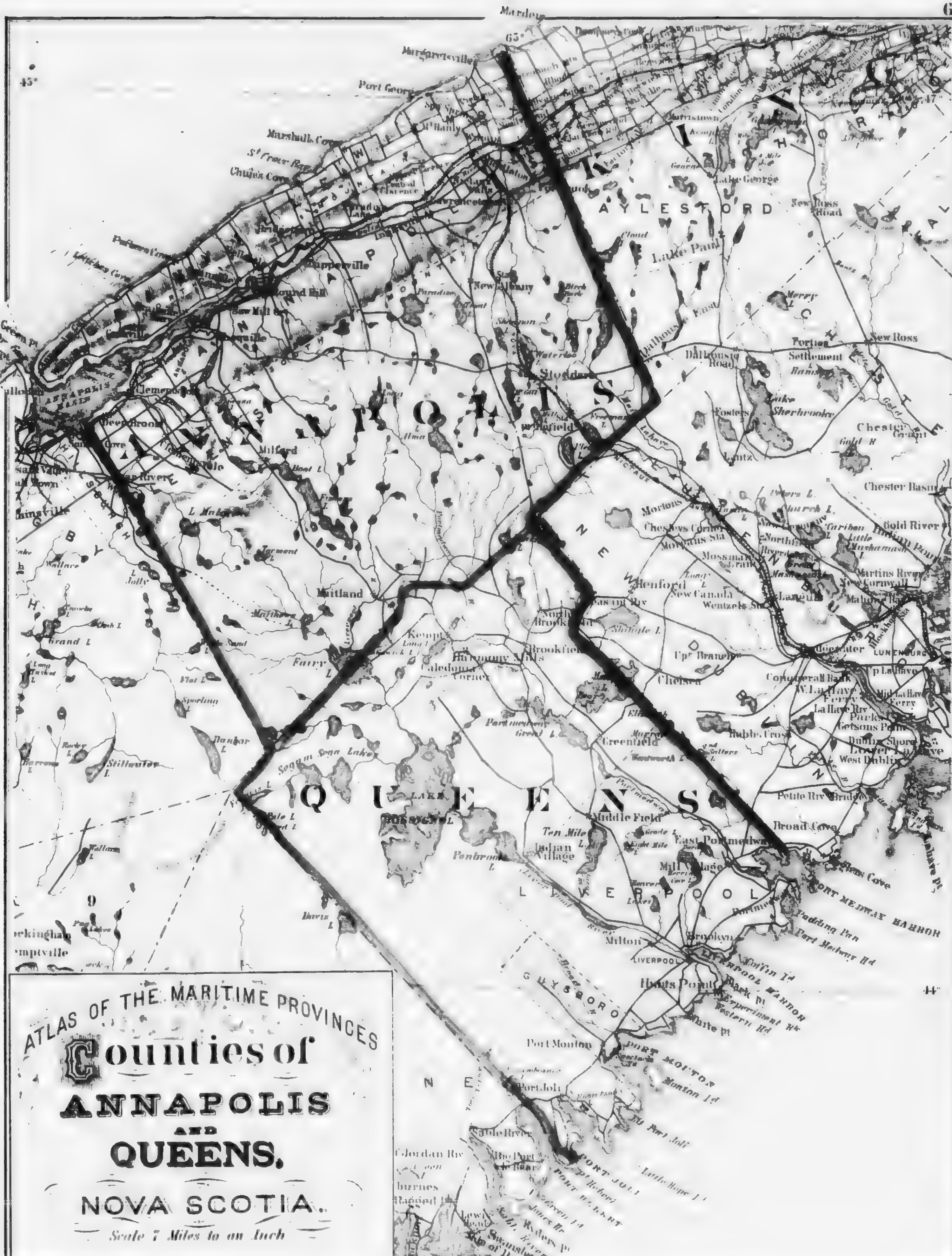

ATLAS OF THE MARITIME PROVINCES
County of
CUMBERLAND,
NOVA SCOTIA.
Scale 7 Miles to an Inch
CUMBERLAND
WEST MORLAND
HILLSBOROUGH
HOPEWELL
HARVEY
CHIGNECTO BAY
CUMBERLAND BASIN
BAY OF FUNDY
MINAS CHANNEL
MINAS BASIN
LONDONDERRY
MAITLAND
Amherst
Parrsboro
Cape Tormentine
Cape Blomidon
Cape Chignecto
Apple River
Lakelands
Scots Bay
Halfway River
Port Greville
Black Rock
Spencer Id.
Advocate Harb.
Baxters Harb.
Shulie
Sackville
Dorchester
Westchester
Tatamagouche
Oxford
Pugwash
Wallace
Fox River
Port Philip
Brookfield
Truro
Folly Lake
Five Mile Riv.
Latte's Brook
Denmark
Upper Kennetcook
Lower Kennetcook
Highland Village
Burntcoat Hd.
Minas Basin
Cape Chignecto
I. Haute

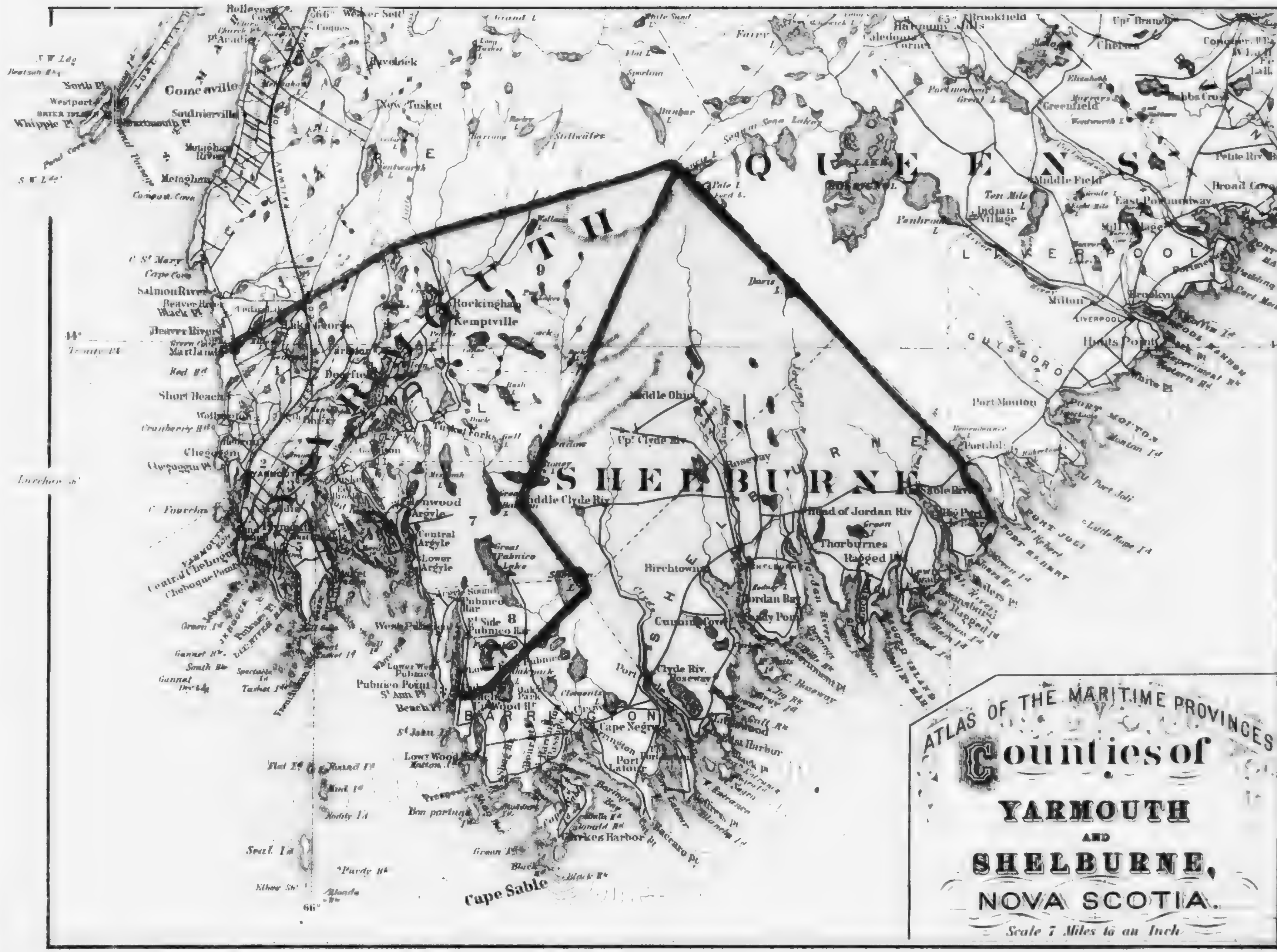

ATLAS OF THE MARITIME PROVINCES
County of
COLCHESTER,
NOVA SCOTIA.
Scale 1 Miles to an Inch
COLCHESTER
Truro
Tatamagouche
Wallace Harbor
Pictou Harbor
Cape Blomidon
Cape Bear
Minas Basin
Shubenacadie
Maitland
Londonderry
Economy
Parrsboro
Amherst
Pugwash
Fox River
Salmon River


ATLAS OF THE MARITIME PROVINCES
County of
HANTS,
NOVA SCOTIA.
Scale 7 Miles to an Inch
BASIN OF MINAS
HANTS
COLCHESTER
HALIFAX
LONDONDERRY
WALTON
KEMPT
DOUGLAS
MAITLAND
SHUBENACADIE
RAWDON
WINDSOR
FALMOUTH
NEWPORT
PRESTON
DARTMOUTH
SACKVILLE
Cape Blomidon
Scott's Bay
Truro
Halifax Harbor
Margaret Bay
Clam Bay
R. 64° Philp.
63°

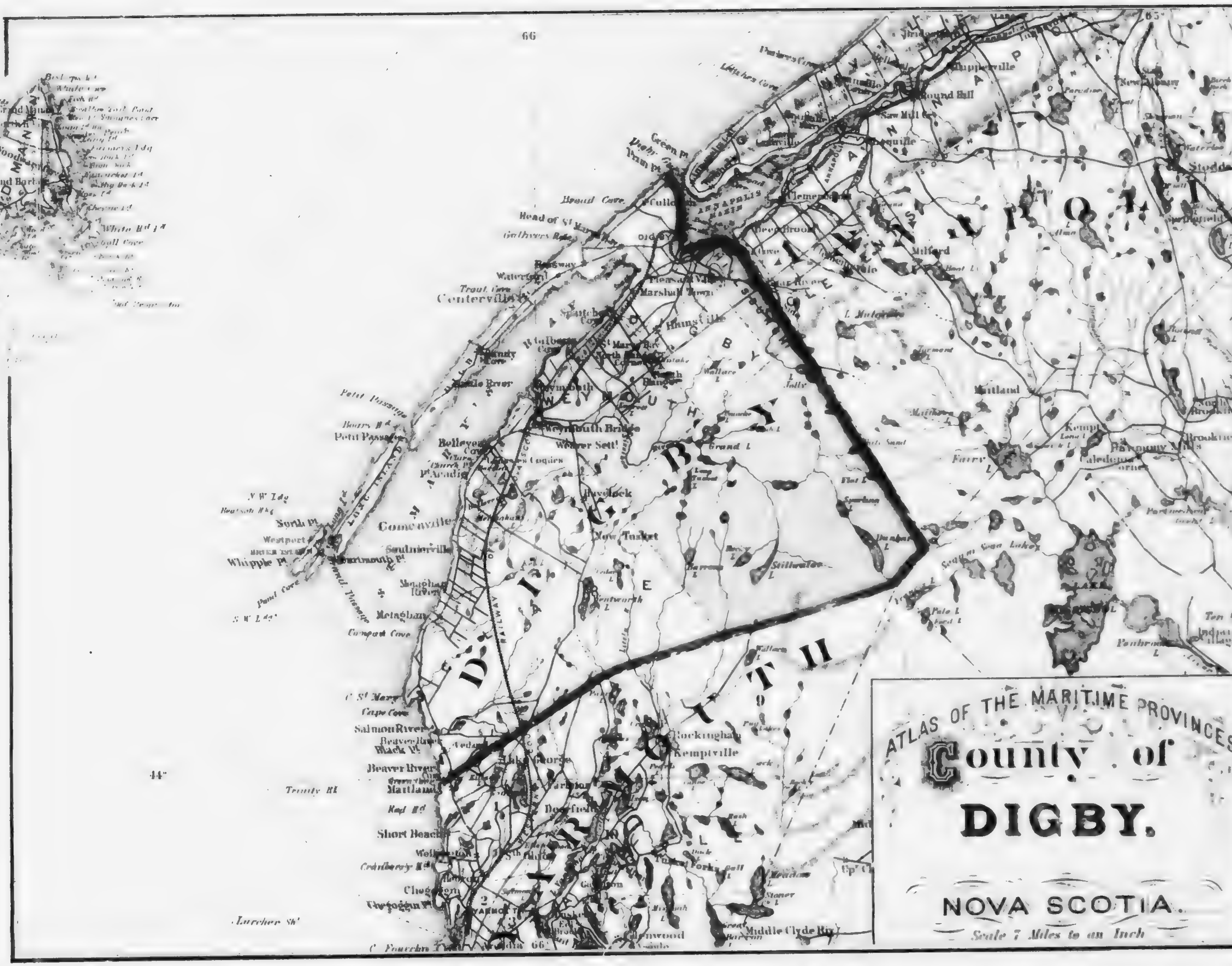

ATLAS OF THE MARITIME PROVINCES
County of
KINGS,
NOVA SCOTIA.
Scale 7 Miles to an Inch
AYLESFORD
Lake Paul
LUNENBURG
WALTON
KEMPT
WINDSOR
Kempt Shore
Summerville
Kennetcook
Parrsboro
Scotts Bay
Cape Chignecto
I. Haute
Apple River
Three Sisters
Margaretsville
Port George
Victoria Bay
New Ross
Chester Basin
Mahone Bay
Gold River
Glen Margaret
Indian Harbor
Peggys Cove
French Village
New Canada
Brookfield
Harmony Mills
Greenfield
Kingsbury
West Dublin
Broad Cove
Middle Field
Lake Rossignol
Stoddart
Springfield
Lake Sherbrooke
Falmouth
Fletcher Sta
Rawdon
Renfrew Gold Mines
Woodville
Lakelands
Mill Cove
East River
Chester Grant
Mortons
Chelsea
Indian Village

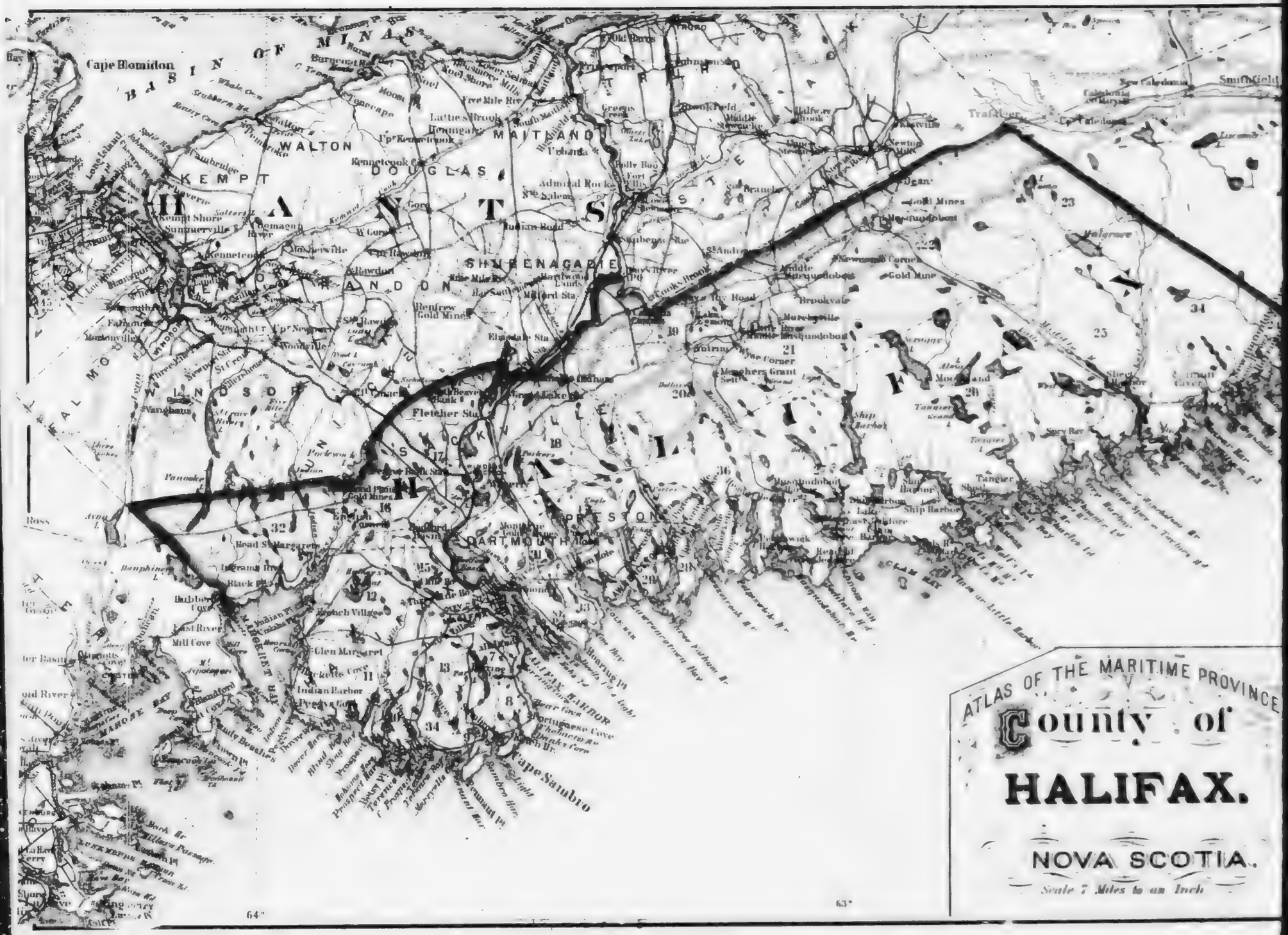

ATLAS OF THE MARITIME PROVINCES
County of
LUNENBURG,
NOVA SCOTIA.
Scale 7 Miles to an Inch
WALTON
KEMPT
AYLESFORD
LUNENBURG
LIVERPOOL
GUYSBORO
Lake Paul
New Ross
Chester Basin
Gold River
Mahone Bay
Lunenburg
Chelsea
Greenfield
Middle Field
Milton
Liverpool
Port Mouton
Port Joli
Port Medway Harbor
Liverpool Harbor
Port Mouton Harbor
Port Joli Harbor

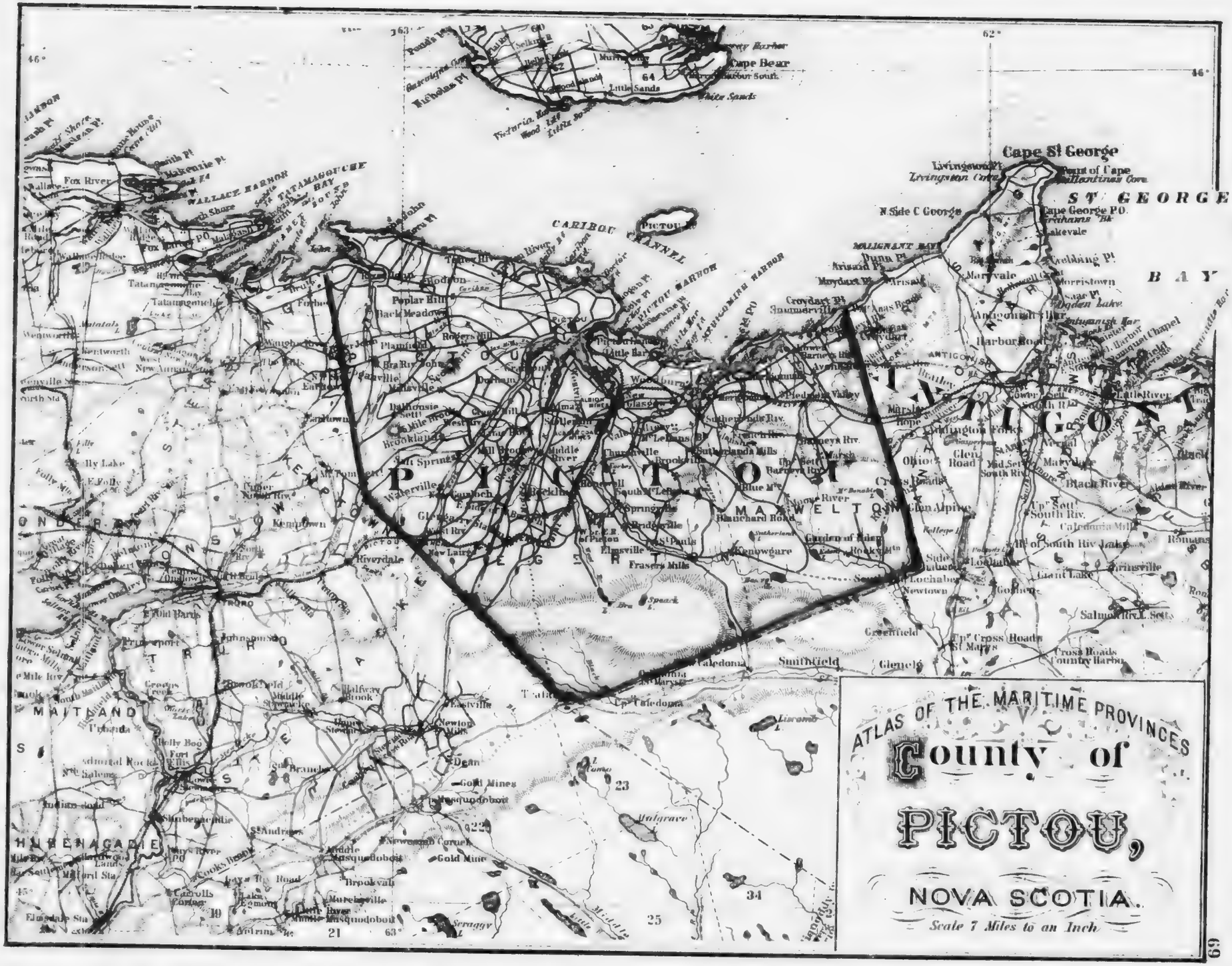

ATLAS OF THE MARITIME PROVINCES
Counties of
ANNAPOLIS
AND
QUEENS,
NOVA SCOTIA.
Scale 7 Miles to an Inch
ANNAPOLIS
QUEENS
AYLESFORD
LIVERPOOL
GUYSBORO
LUNENBURG
Margaretsville
Port George
Marshall Cove
Chute's Cove
Bridgetown
Tupperville
Round Hill
New Albany
Lake Paul
Lake George
Morristown
New Ross
New Ross Road
Dalhousie East
Dalhousie Road
Forties Settlement
Lake Sherbrooke
Chester Grant
Chester Basin
Gold River
Martins River
New Cornwall
Mahone Bay
Lunenburg
Springfield
Stoddard
Deep Brook
Milford
Maitland
Kempt
Caledonia Corner
Harmony Mills
Brookfield
North Brookfield
Henford
New Canada
Wentzels
Chelsea
Bridgewater
Conquerall Bank
W. LaHave
LaHave Riv.
Greenfield
Petite Riv. Bridge
Broad Cove
Middle Field
East Port Medway
Ten Mile
Indian Village
Milton
LIVERPOOL
Brooklyn
Hunts Point
LIVERPOOL HARBOR
PORT MEDWAY HARBOR
Port Mouton
PORT MOUTON
Port Joli
PORT JOLI
PORT HEBERT
Sable River
Coffin Id
White pt
Segum Sega Lake
LAKE ROSSIGNOL
Stillwater
Dunbar L.
Sporting L.
Grand L.
Wallace L.
Jolly L.
Davis L.
Pembrook
Lake Paul
Mersey
9
45°
44°
65°



ATLAS OF THE MARITIME PROVINCES
Counties of
YARMOUTH
AND
SHELBURNE,
NOVA SCOTIA.
Scale 7 Miles to an Inch
QUEENS
SHELBURNE
LIVERPOOL
GUYSBORO
BARRINGTON
Rockingham
Kemptville
Middle Ohio
Up^r Clyde Riv
Middle Clyde Riv
Head of Jordan Riv
Thorburnes
Birchtown
Jordan Bay
Sandy Point
Clyde Riv.
Roseway
Cape Negro
Port Latour
Barrington
Baccaro Pt
Cape Sable
Port Mouton
Port Joli
Port Hebert
Little Hope Id
Middle Field
Greenfield
Indian Village
Ten Mile L
Milton
Liverpool
Brooklyn
Hunts Point
Broad Cove
Brookfield
Caledonia Corner
Comeauville
Saulnierville
Meteghan
Whipple Pt
North Pt
Westport
New Tusket
Havelock
Short Beach
Central Argyle
Lower Argyle
Great Pubnico Lake
Pubnico Point
Beaver River
Salmon River
Maitland
Chegoggin
Central Chebogue
Chebogue Point
Sable River
Ragged Id
Port Mouton
Seal Id
Mud Id
Flat Id
Round Id
Green Id
Gannet R
Lower Wood Harbor
Bon portage Id


ATLAS OF THE MARITIME PROVINCES
County of
DIGBY.
NOVA SCOTIA.
Scale 7 Miles to an Inch
DIGBY
WEYMOUTH
Centerville
Weymouth Bridge
Meteghan
Salmon River
Beaver River
Maitland
Short Beach
Comeauville
Kemptville
Rockingham
Milford
Maitland
Middle Clyde Riv
Grand Manan
Petit Passage
Grand Passage
Stillwater
Trinity Ll
Lurcher Sh'
66
44°


ATLAS OF THE MARITIME PROVINCE
County of
HALIFAX.
NOVA SCOTIA.
Scale 7 Miles to an Inch
Cape Blomidon
BASIN OF MINAS
WALTON
KEMPT
DOUGLAS
MAITLAND
SHUBENACADIE
WINDSOR
DARTMOUTH
Cape Sambro
64°
63°


ATLAS OF THE MARITIME PROVINCES
County of
PICTOU,
NOVA SCOTIA.
Scale 7 Miles to an Inch
PICTOU
MAXWELTON
ANTIGONISH
ST GEORGES
BAY
Cape St George
Cape Bear
Pictou
Fox River
Tatamagouche
Tatamagouche Bay
Wallace Harbor
Pictou Harbor
Caribou Channel
Malignant Bay
Antigonish Harbor
Riverdale
New Glasgow
Stellarton
Westville
Trenton
Thorburn
Springville
Frasers Mills
Denowgare
Garden of Eden
Blue Mts
Black River
Antigonish
Arisaig
Dunn Pt
Cape George P.O.
Lakevale
Marryvale
Morristown
Ogden Lake
Harbor Boat
Lochaber
Newtown
Greenfield
Smithfield
Caledonia
Glenelg
Cross Roads Country Harbor
Salmon River L. Scots
Giant Lake
Gaspereau
Gold Mines
Musquodoboit
Brookvale
Dean
Halifax
Dartmouth
Bedford
Windsor
Truro
Pugwash
Wallace
Tatamagouche
Malagash
Fox River
Kennetcook
Shubenacadie
Stewiacke
Newport
Enfield
Elmsdale
Milford
Lake Echo
Cooks Brook
Carrolls Corner
Musquodoboit Harbor
Eastville
Halfway Brook
Middle Stewiacke
Upper Stewiacke
Folly Bog
Fort Ellis
Indian Road
Salem
Hubbards
Chezzetcook
Seaforth
Musquodoboit Harbor
Cole Harbor
Lawrencetown
Porters Lake
Tangier
Ship Harbour
Sheet Harbour
Moser River
Liverpool
Milton
Bridgewater
Lunenburg
Mahone Bay
Chester
Shelburne
Yarmouth
Digby
Annapolis
Kentville
Wolfville
Windsor
Hantsport
Parrsboro
Amherst
Pictou
New Glasgow
Stellarton
Westville
Trenton
Thorburn
Springville
Frasers Mills
Denowgare
Garden of Eden
Blue Mts
Black River
Antigonish
Arisaig
Dunn Pt
Cape George P.O.
Lakevale
Marryvale
Morristown
Ogden Lake
Harbor Boat
Lochaber
Newtown
Greenfield
Smithfield
Caledonia
Glenelg
Cross Roads Country Harbor
Salmon River L. Scots
Giant Lake
Gaspereau
Gold Mines
Musquodoboit
Brookvale
Dean
Halifax
Dartmouth
Bedford
Windsor
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Pugwash
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Fox River
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Stewiacke
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Eastville
Halfway Brook
Middle Stewiacke
Upper Stewiacke
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Fort Ellis
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Salem
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Musquodoboit Harbor
Cole Harbor
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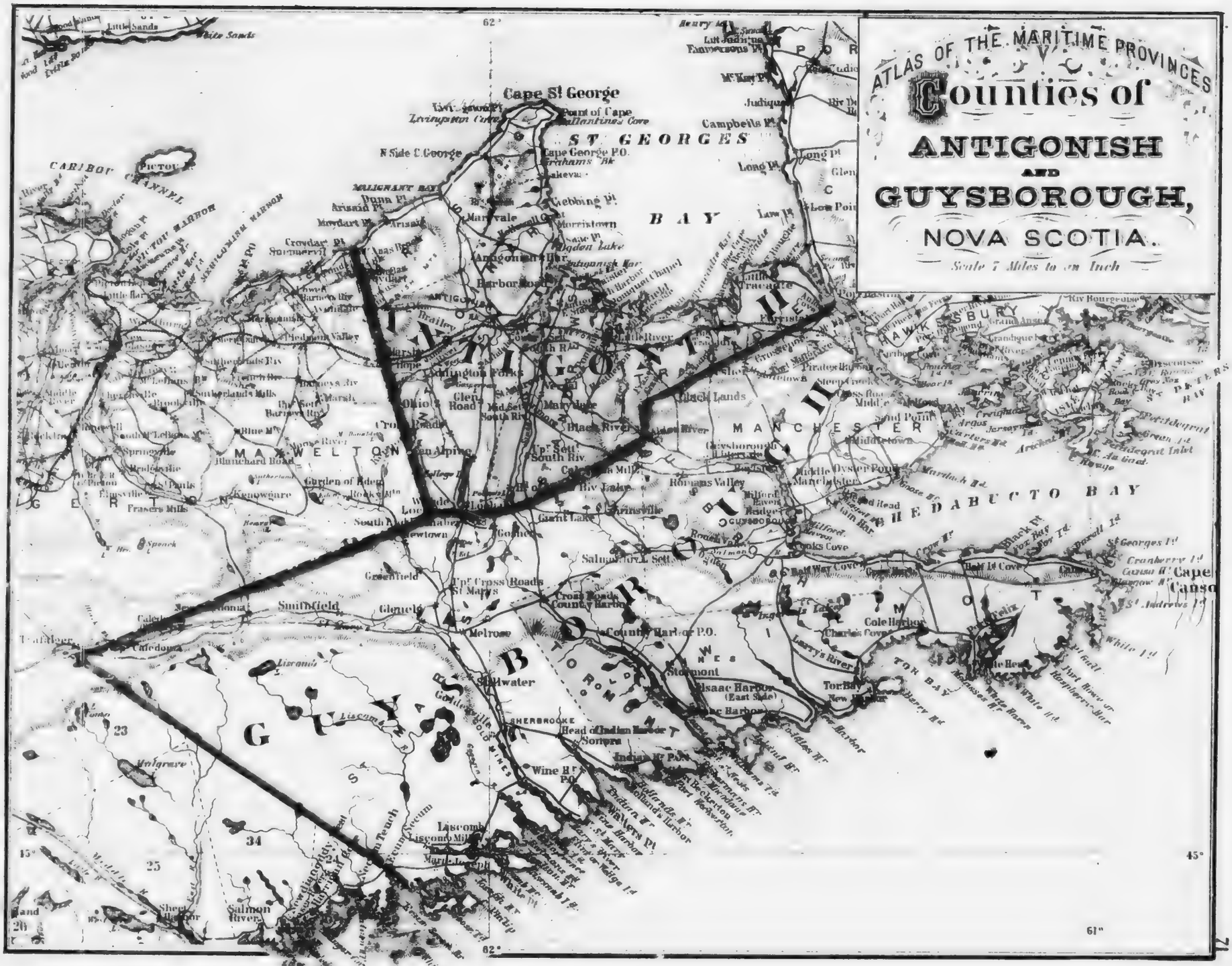
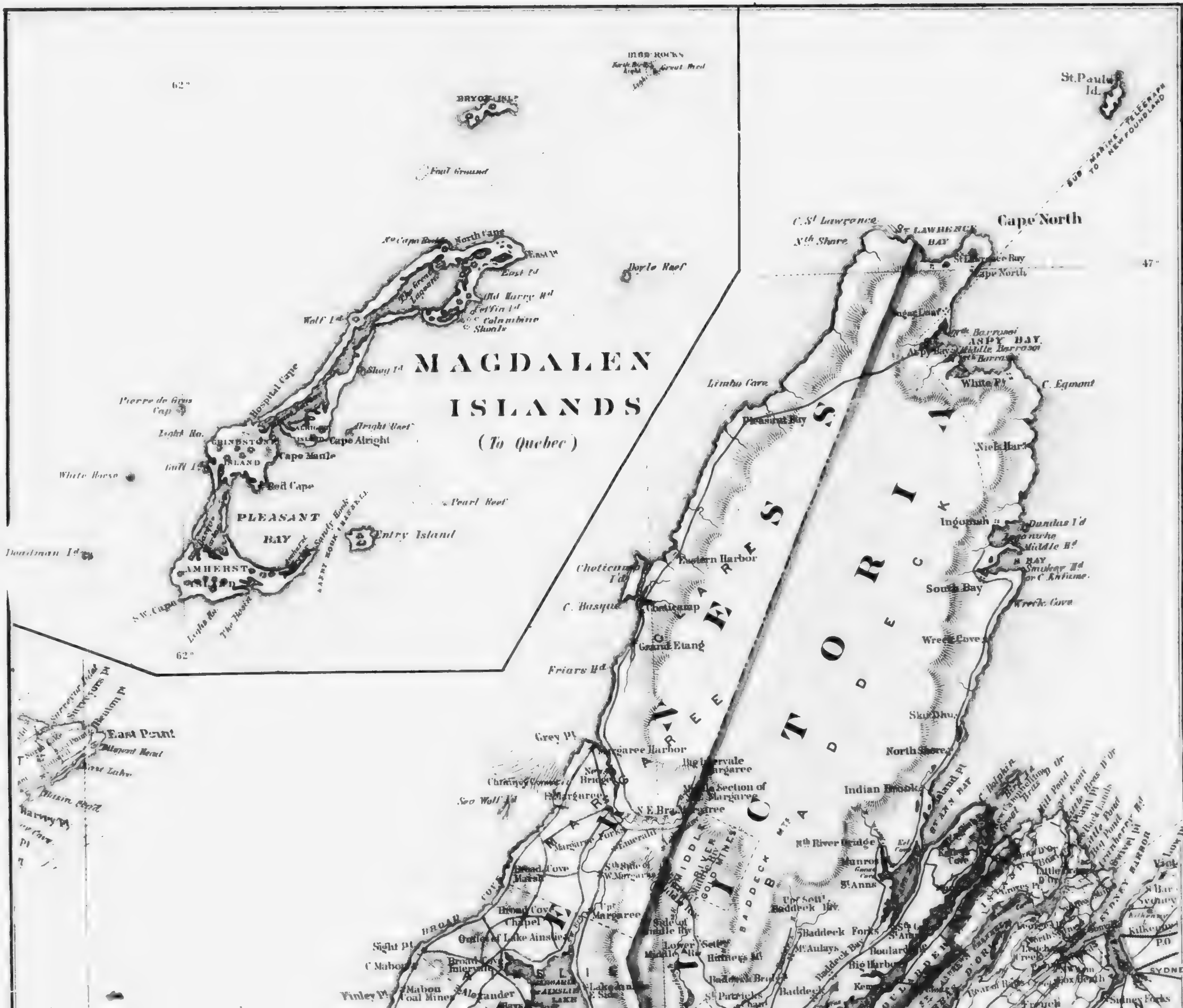
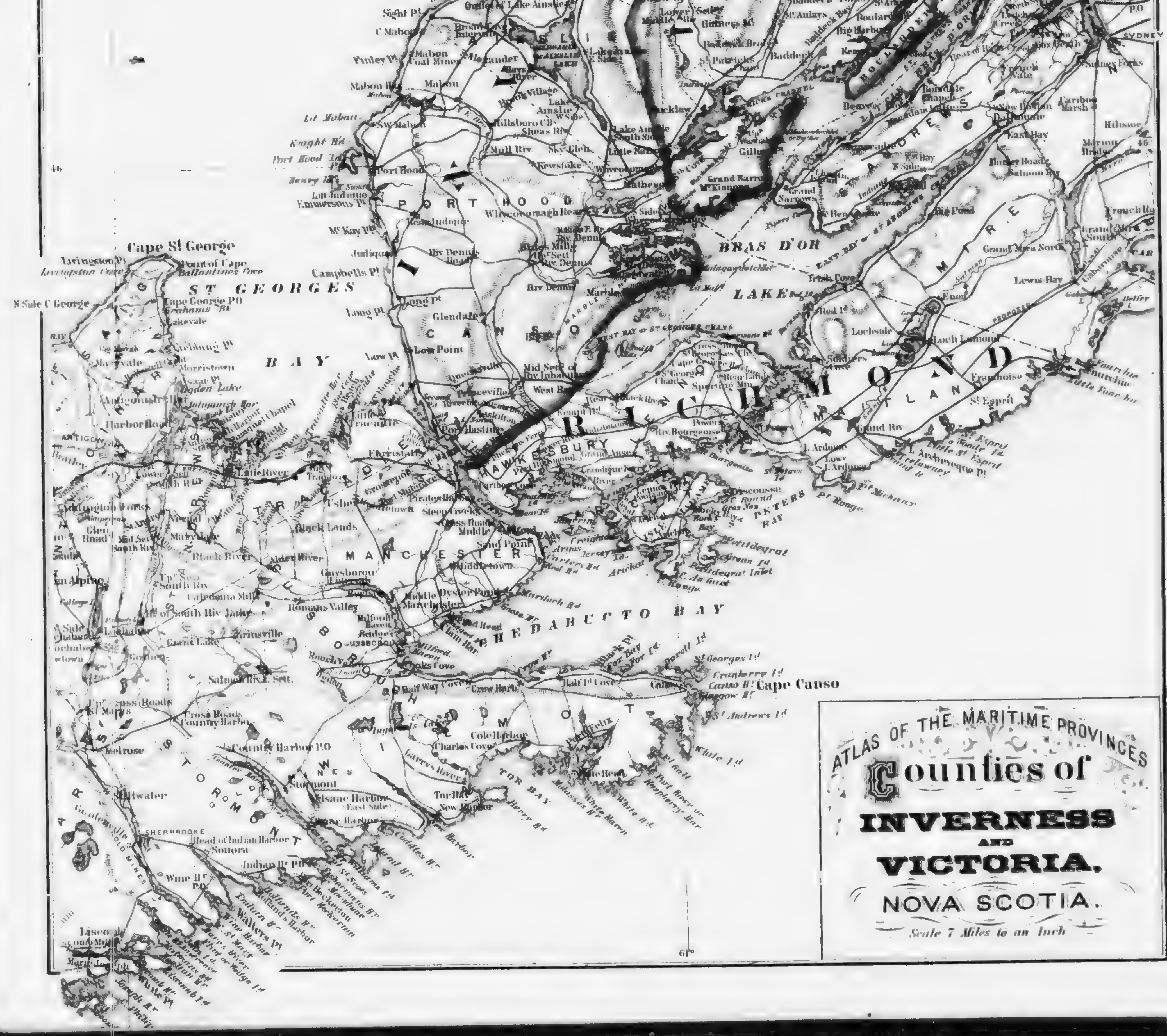
Porters Lake
Tangier
Ship Harbour
Sheet Harbour
Moser River
Liverpool
Milton
Bridgewater
Lunenburg
Mahone Bay
Chester
Shelburne
Yarmouth
Digby
Annapolis
Kentville
Wolfville
Windsor
Hantsport
Parrsboro
Amherst

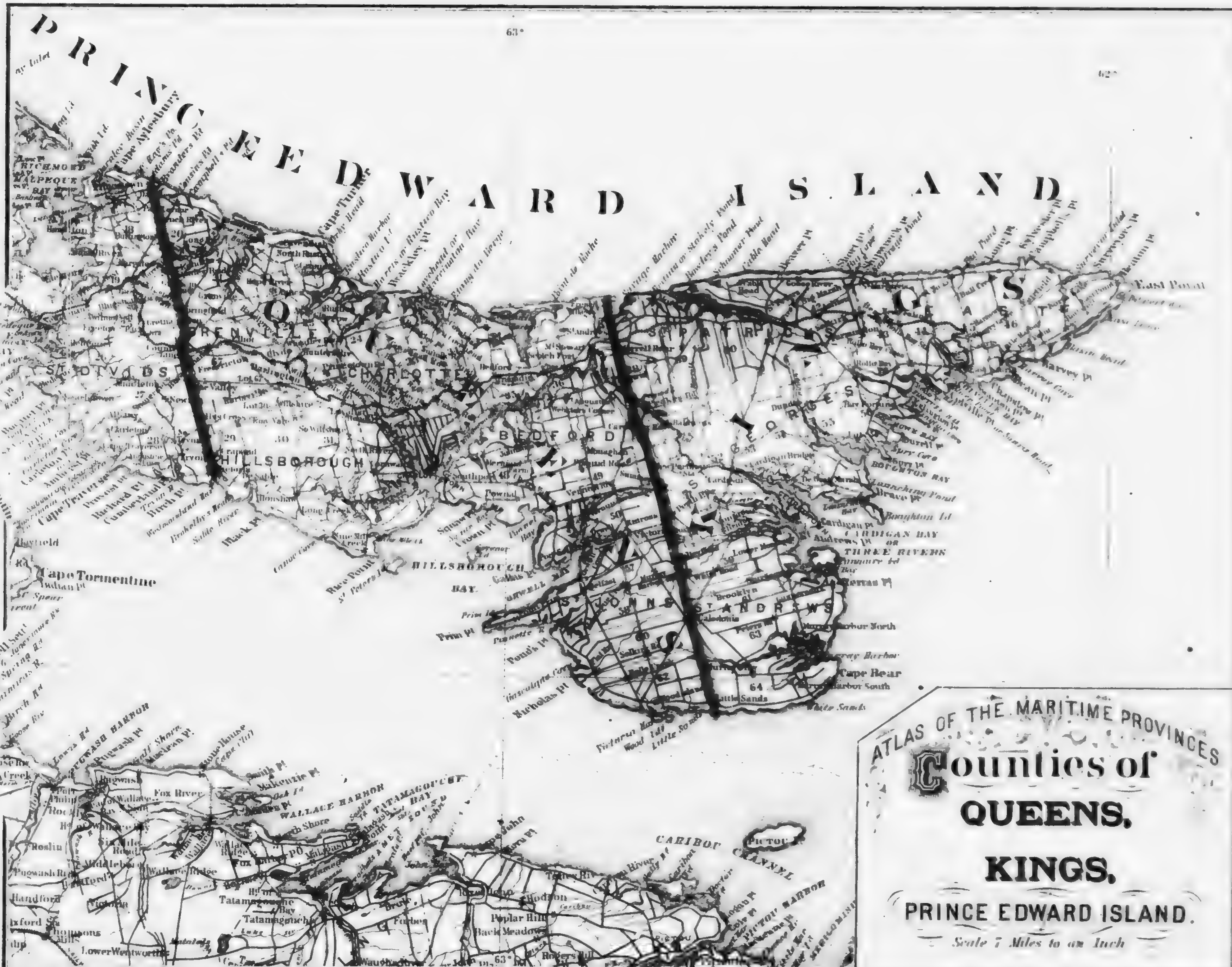

ATLAS OF THE MARITIME PROVINCES
Counties of
ANTIGONISH
AND
GUYSBOROUGH,
NOVA SCOTIA.
Scale 7 Miles to an Inch
ST GEORGES
BAY
ANTIGONISH
MANCHESTER
MAXWELTON
GUYSBORO
HALIFAX
HEDABUCTO BAY
TOR BAY
Cape St George
Cape George P.O.
Antigonish
Guysborough
Stellarton
Pictou
Little Sands
White Sands
Cape Canso

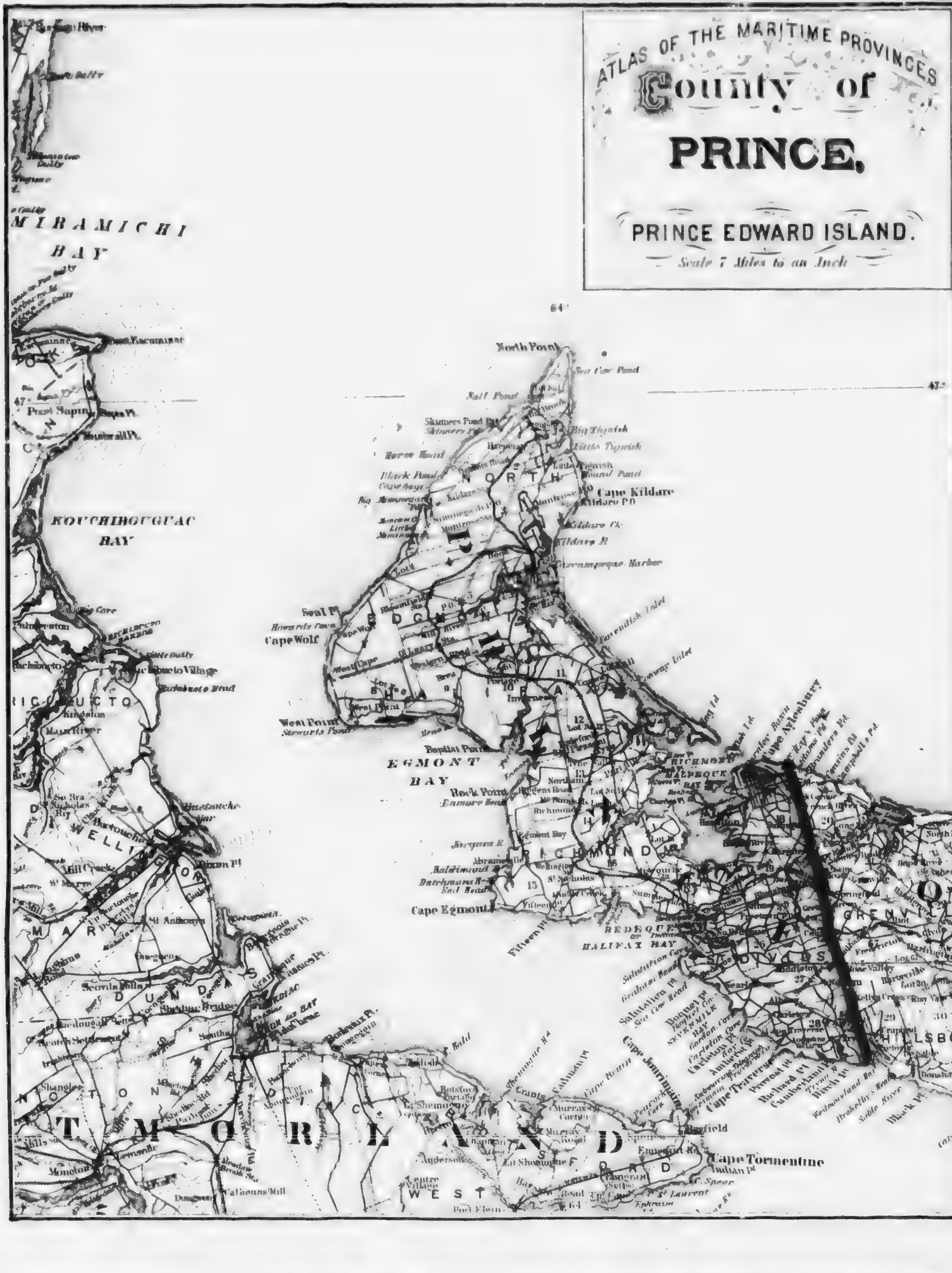

MAGDALEN
ISLANDS
(To Quebec)
VICTORIA
Cape North
St Paul Id.
Sub Marine Telegraph to Newfoundland
C. St Lawrence
Nth Shore
St Lawrence Bay
Aspy Bay
White Pt
C. Egmont
Limbo Cove
Pleasant Bay
Niels Harb
Ingonish
Dundas Id
South Bay
Wreck Cove
Cheticamp Id
C. Rasque
Cheticamp
Eastern Harbor
Grand Etang
Friars Hd
Grey Pt
Margaree Harbor
Chimney Corner
Sea Wolf Id
Indian Brook
North Shore
Skir Dhu
Nth River Bridge
St Anns
Baddeck
Baddeck Forks
Big Harbor
Boulardarie
Broad Cove
Broad Cove Chapel
Lake Ainslie
Sight Pt
C. Mabou
Mabou Coal Mines
Finley Pt
Sydney
Sydney Forks
Sydney Harbor
P.O.
East Point
Bryon Isl
Bird Rocks
Foul Ground
North Cape
East Pt
East Id
Old Harry Hd
Coffin Id
Columbine Shoals
Wolf Id
Shag Id
Hospital Cape
Pierre de Gris Cap
Light Ho.
Grindstone Island
Cape Alright
Alright Reef
Cape Meule
Red Cape
Gull Id
White Horse
Pleasant Bay
Amherst Island
Entry Island
Pearl Reef
Doyle Reef
Deadman Id
S.W. Cape
The Bosse
62°
47°

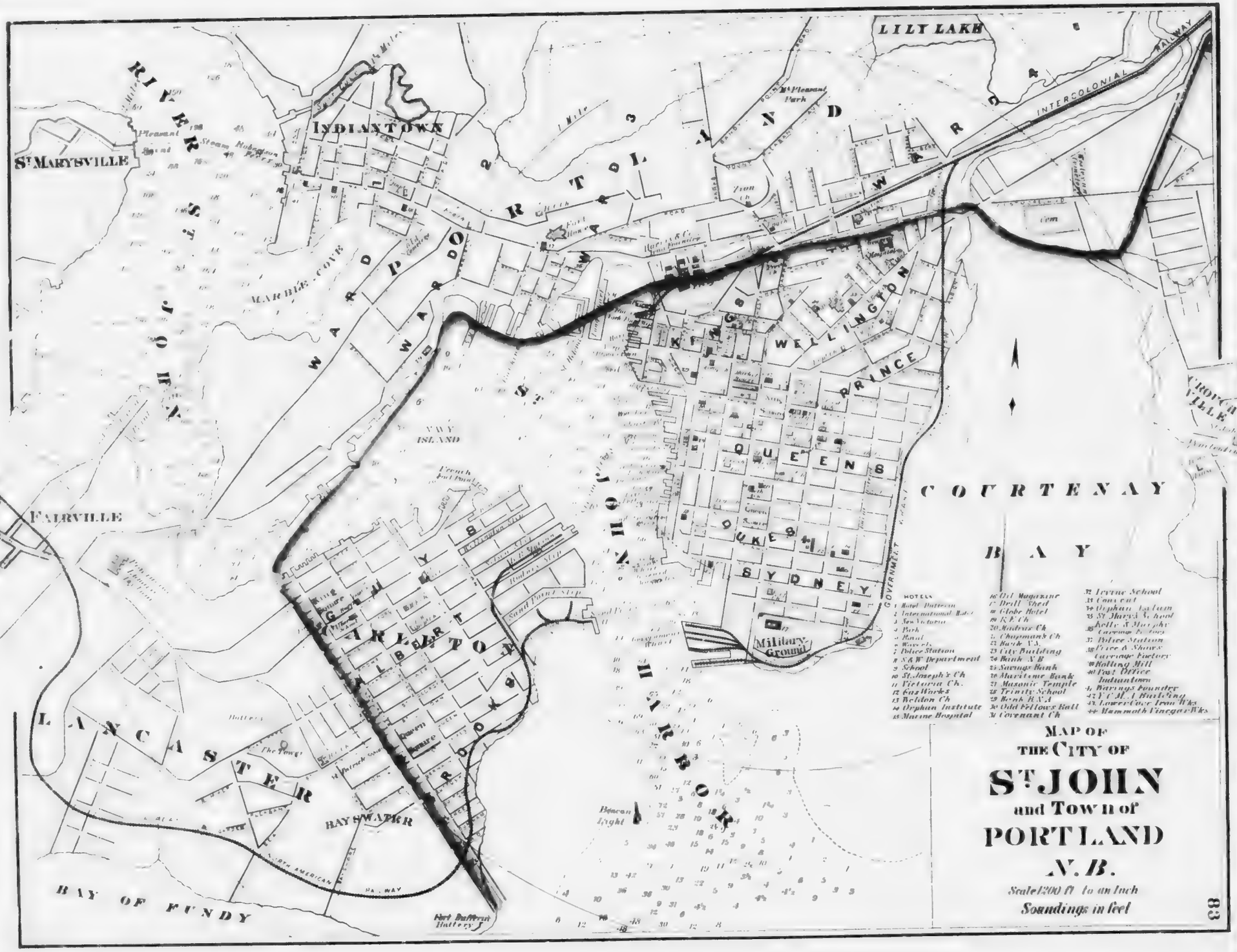


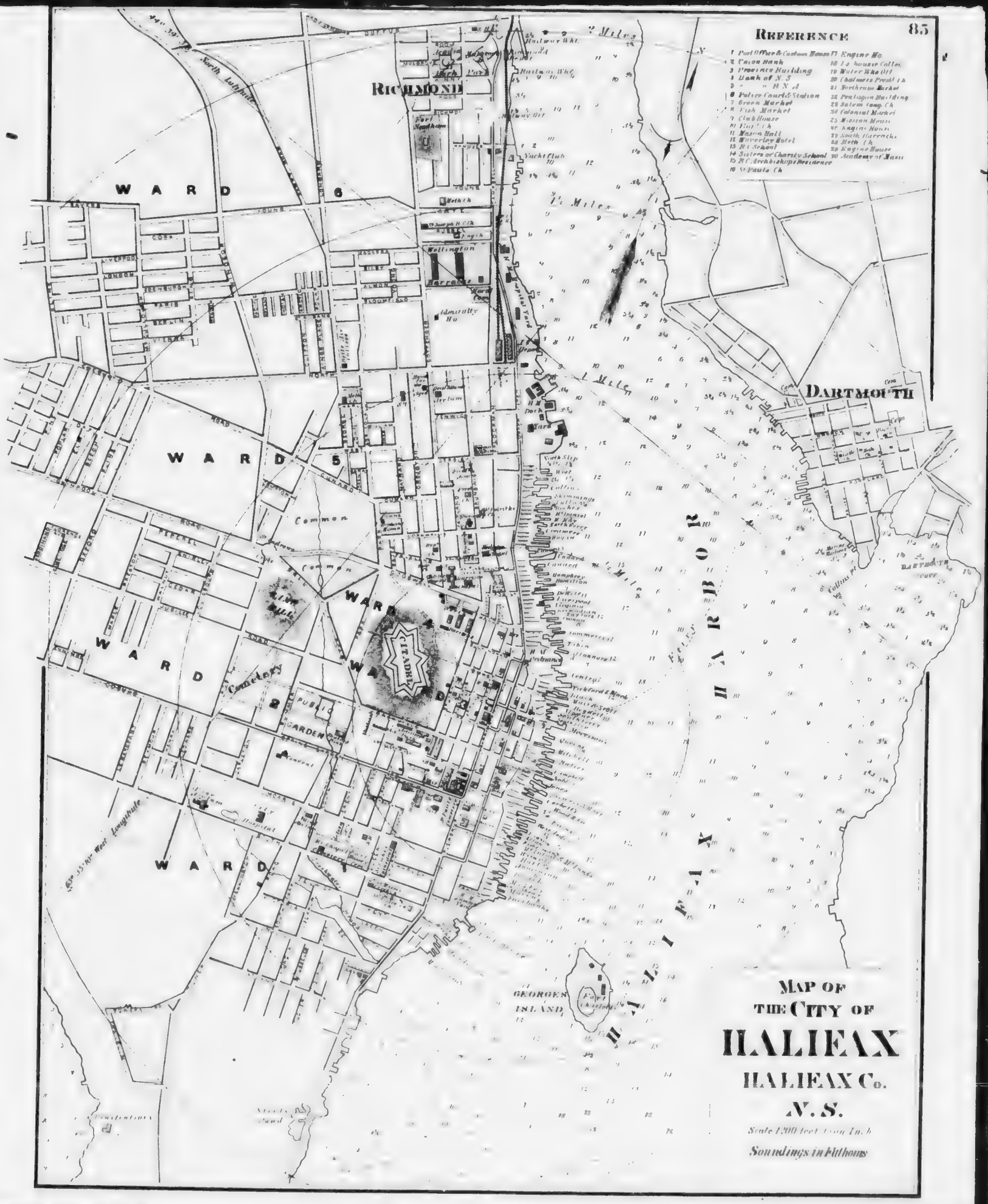
ATLAS OF THE MARITIME PROVINCES
Counties of
INVERNESS
AND
VICTORIA.
NOVA SCOTIA.
Scale 7 Miles to an Inch
Cape St George
ST GEORGES BAY
PORT HOOD
BRAS D'OR
LAKE
RICHMOND
HAWKESBURY
CHEDABUCTO BAY
MANCHESTER
GUYSBOROUGH
Cape Canso
TOR BAY
SYDNEY
SHERBROOKE
Port Hood
Mabou
Judique
Antigonish
Arichat
Canso

ATLAS OF THE MARITIME PROVINCES
Counties of
CAPE BRETON
AND
RICHMOND,
NOVA SCOTIA.
Scale 7 Miles to an Inch
CAPE BRETON
RICHMOND
VICTORIA
INVERNESS
BRAS D'OR LAKE
HEDABUCTO BAY
SYDNEY
Louisbourg
Port Hood
Arichat
Baddeck
Cape Breton
East Pt
Sydney Harbor
Submarine Telegraph to St Pierre
60°
61°
46°

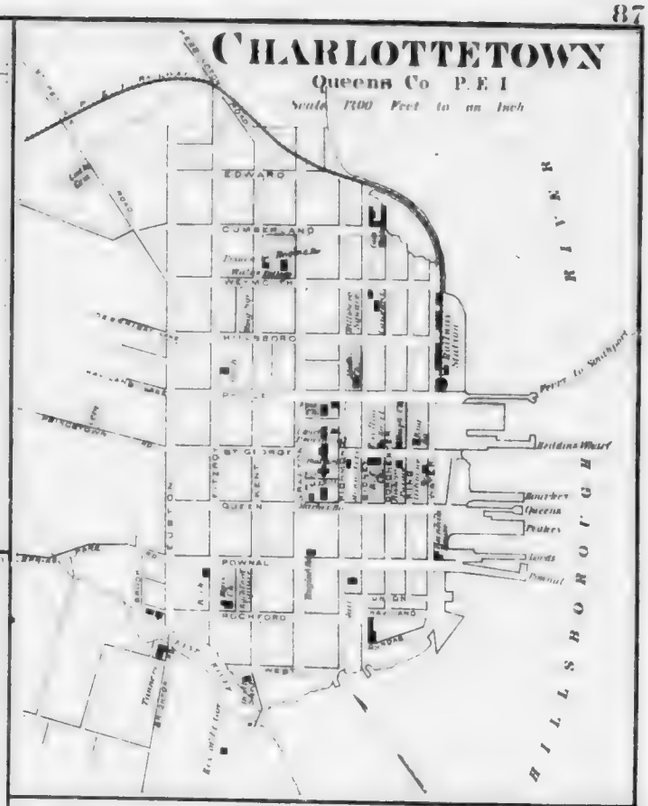

PRINCE EDWARD ISLAND
ATLAS OF THE MARITIME PROVINCES
Counties of
QUEENS,
KINGS,
PRINCE EDWARD ISLAND.
Scale 7 Miles to an Inch
HILLSBOROUGH
CHARLOTTE
BEDFORD
CARIBOU CHANNEL
Cape Tormentine
Cape Bear
East Point
CARDIGAN BAY
THREE RIVERS
BOUGHTON BAY
WALLACE HARBOR
TATAMAGOUCHE BAY
PUGWASH HARBOR
BILLSBOROUGH BAY
Fox River
Poplar Hill
Back Meadows
Lower Wentworth


ATLAS OF THE MARITIME PROVINCES
County of
PRINCE.
PRINCE EDWARD ISLAND.
Scale 7 Miles to an Inch
MIRAMICHI BAY
KOUCHIBOUGUAC BAY
North Point
Cape Kildare
Seal Pt.
Cape Wolf
West Point
Baptist Point
EGMONT BAY
Rock Point
Cape Egmont
HALIFAX BAY
RICHMOND
Cape Tormentine

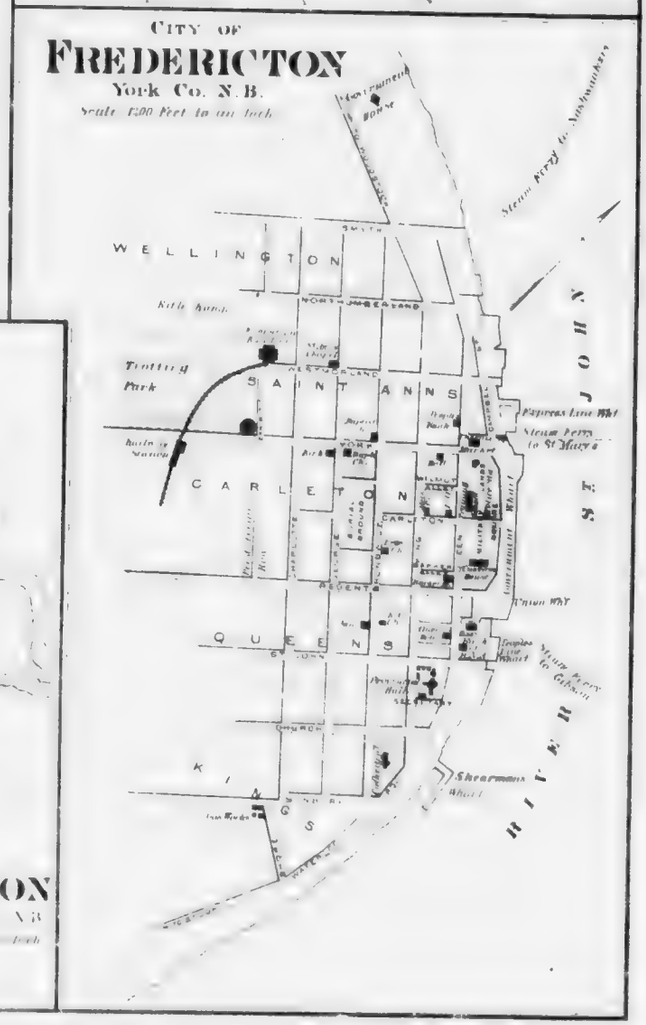

MAP OF
THE CITY OF
St. JOHN
and Town of
PORTLAND
N. B.
Scale 1200 ft to an Inch
Soundings in feet
HOTELS
1 Hotel Dufferin
2 International Hotel
3 New Victoria
4 Park
5 Royal
6 Waverly
7 Police Station
8 S & W Department
9 School
10 St. Joseph's Ch
11 Victoria Ch.
12 Gas Works
13 Weldon Ch
14 Orphan Institute
15 Marine Hospital
16 Oil Magazine
17 Drill Shed
18 Globe Hotel
19 K E Ch
20 Andrews Ch
21 Chapman's Ch
22 Bank N.S.
23 City Building
24 Bank N B
25 Savings Bank
26 Maritime Bank
27 Masonic Temple
28 Trinity School
29 Bank B.N.A
30 Odd Fellows Hall
31 Covenant Ch
32 Irvine School
33 Convent
34 Orphan Asylum
35 St Mary's School
36 Kelly & Murphy Carriage Factory
37 Police Station
38 Crane & Shaw's Carriage Factory
39 Rolling Mill
40 Post Office
Indiantown
41 Barings Foundry
42 Y C M A Building
43 Lower Cove Iron Wks
44 Mammoth Vinegar Wks
ST. JOHN
INDIANTOWN
ST. MARYSVILLE
PORTLAND
LILY LAKE
INTERCOLONIAL RAILWAY
WARDROBE
KING
WELLINGTON
PRINCE
QUEENS
DUKES
SYDNEY
ALBERT
LANCASTER
COURTENAY BAY
HARBOR
BAY OF FUNDY
FAIRVILLE
BAYSWATER
MARBLE COVE
Military Ground
Queen Square
Market Square
Sand Point Ship
Fort Dufferin Battery
Beacon Light
NORTH AMERICAN RAILWAY
GOVERNMENT WHARF
Steam Mills
Pleasant Point
Mc Pleasant Park
Zion Ch
Cem
Hospital
Old Cemetery
French Fort Point
Battery
The Tower
St Patrick Square
Rodney Slip
Reed's Slip
Old Cemetery

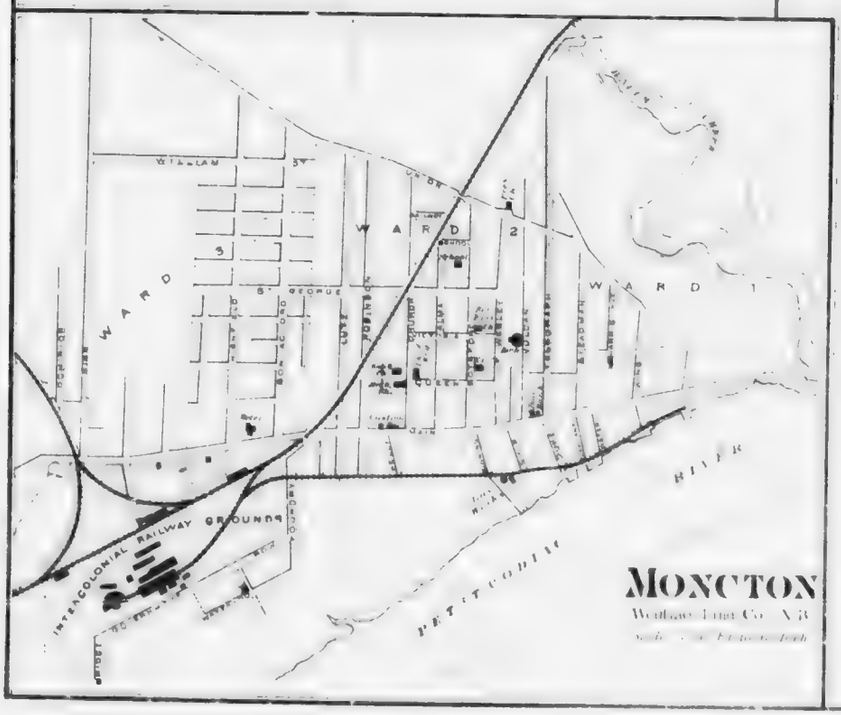

REFERENCE
1 Post Office & Custom House
2 Union Bank
3 Province Building
4 Bank of N. S.
5 " " B. N. A.
6 Police Court & Station
7 Green Market
8 Fish Market
9 Club House
10 Fire Ch
11 Masonic Hall
12 Waverley Hotel
13 H. School
14 Sisters of Charity School
15 R.C. Archbishops Residence
16 St Pauls Ch
17 Engine Hse
18 Lg house Collin.
19 Water Wks Off
20 Chalmers Presbt Ch
21 Northern Market
22 Pentagon Building
23 Salem Cong. Ch
24 Colonial Market
25 Mission House
26 Engine House
27 South Barracks
28 Meth Ch
29 Engine House
30 Academy of Music
RICHMOND
DARTMOUTH
WARD 6
WARD 5
WARD 4
WARD 3
WARD 2
WARD 1
Common
Cemetery
PUBLIC GARDEN
CITADEL
HALIFAX HARBOR
GEORGES ISLAND
Fort Charlotte
Wellington
Barracks
Admiralty Ho
Hospital
Penitentiary
Sheep Island
North Latitude
West Longitude
MAP OF THE CITY OF
HALIFAX
HALIFAX Co.
N. S.
Soundings in Fathoms

MIRAMICHI RIVER
Steamboat Wharf
CHATHAM
Northumberland Co N.B
Scale 1200 Ft. to an Inch

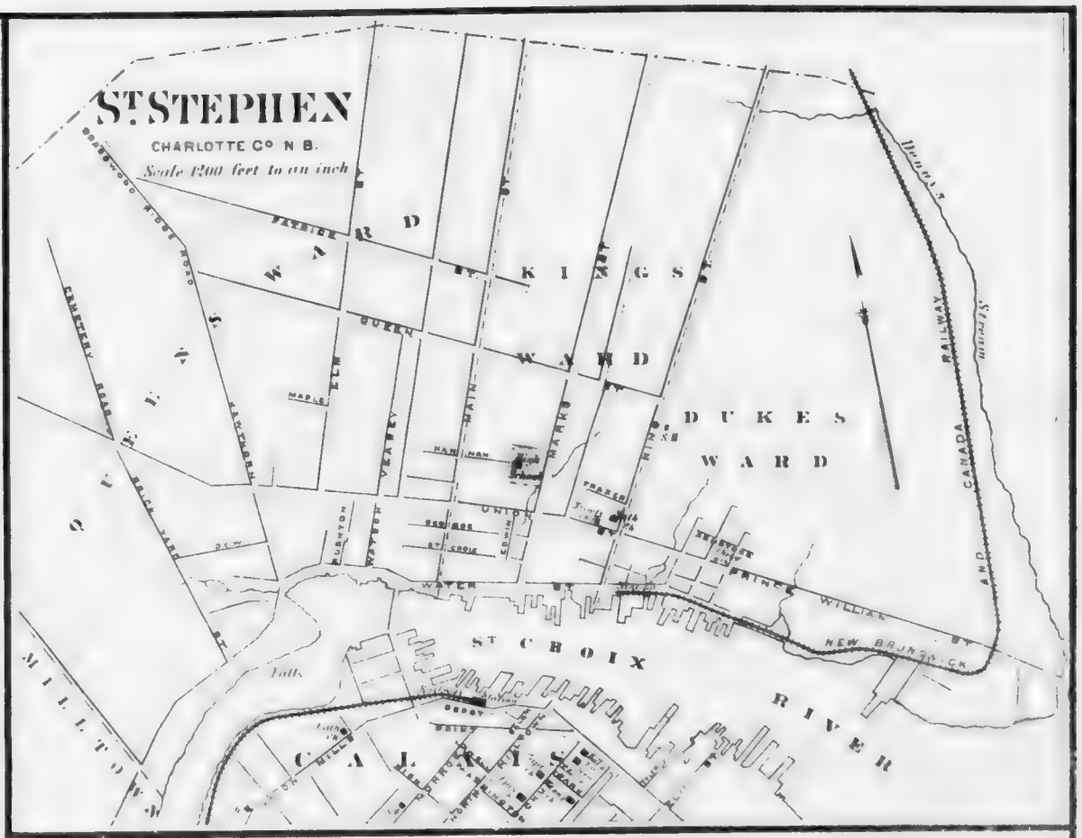

CHARLOTTETOWN
Queens Co P.E.I
Scale 1200 Feet to an Inch
EDWARD
CUMBERLAND
HILLSBORO
QUEEN
POWNAL
RICHMOND
Railway Station
Ferry to Southport
Building Wharf
Bourbes
Queens
Pickles
Lands
Pownal
HILLSBOROUGH RIVER

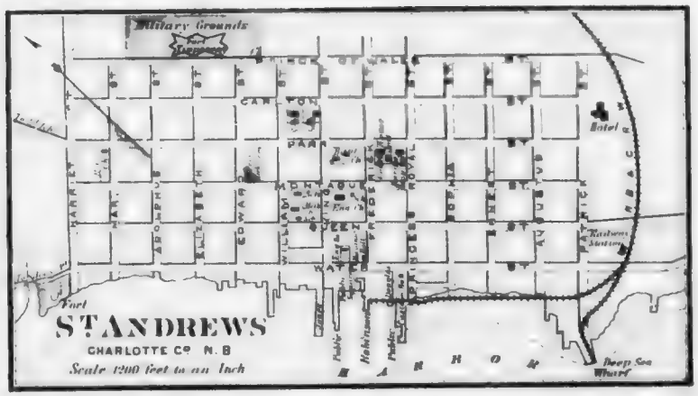
NEWCASTLE
Northumberland Co. N.B.
Scale 1200 Feet to an Inch
NEW HIGHWAY
Steamboat Whf
MIRAMICHI RIVER

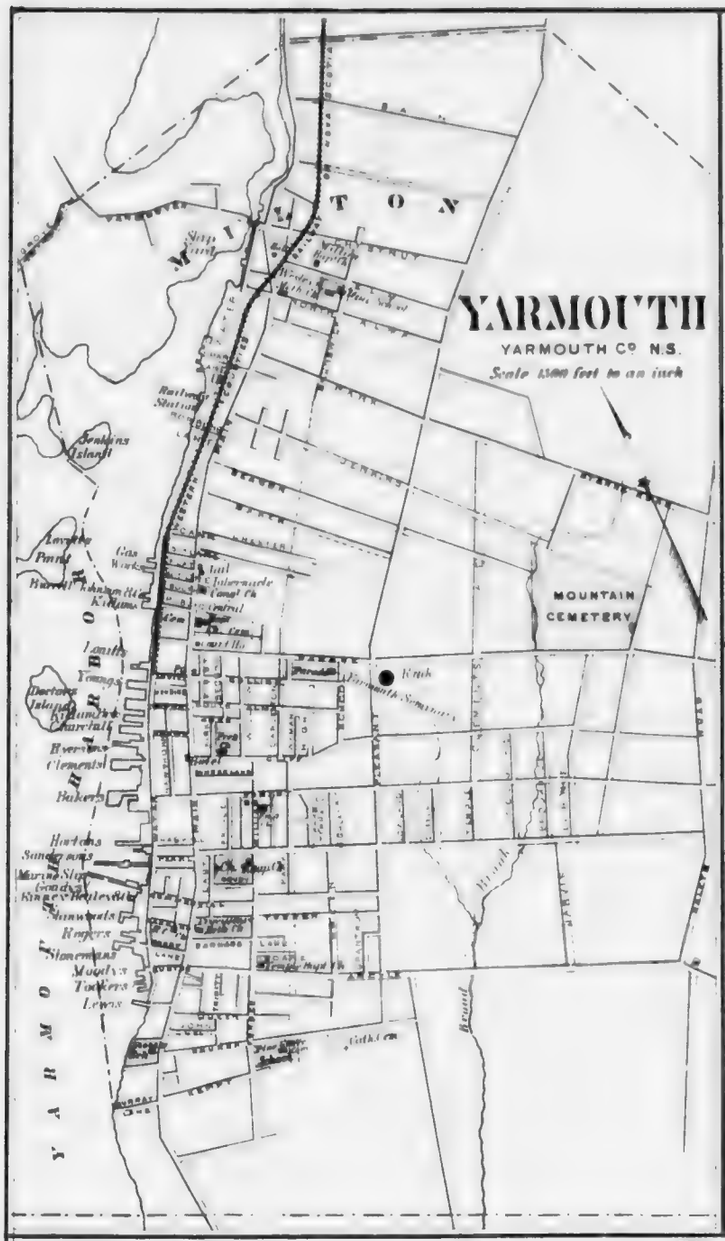

CITY OF
FREDERICTON
York Co. N.B.
Scale 1200 Feet to an Inch
WELLINGTON
NORTHUMBERLAND
Trotting Park
SAINT ANNS
Express Line Whf
Steam Ferry to St Mary's
CARLETON
Union Whf
QUEENS
KING
Steamers Wharf
ST JOHN RIVER

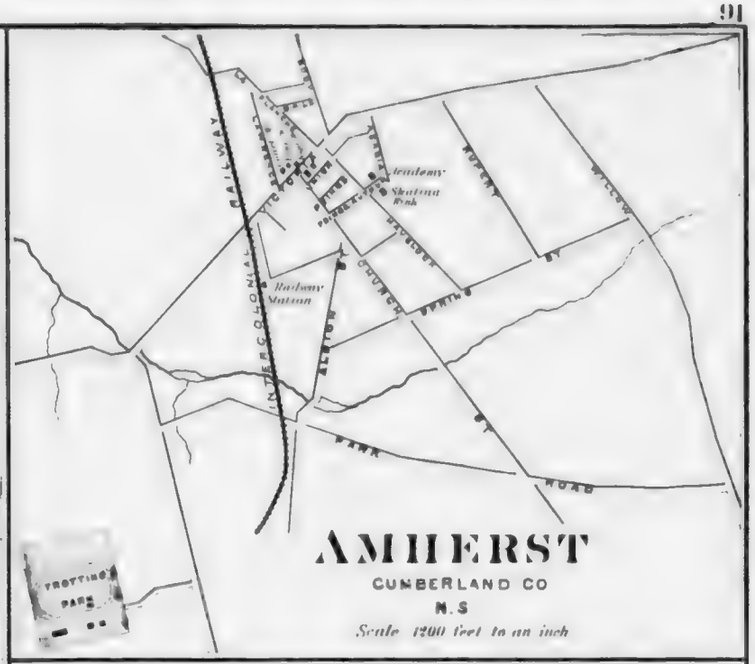

WARD 3
WARD 2
WARD 1
WILLIAM ST
ST GEORGE
INTERCOLONIAL RAILWAY GROUNDS
PETITCODIAC RIVER
MONCTON
Westmorland Co N.B

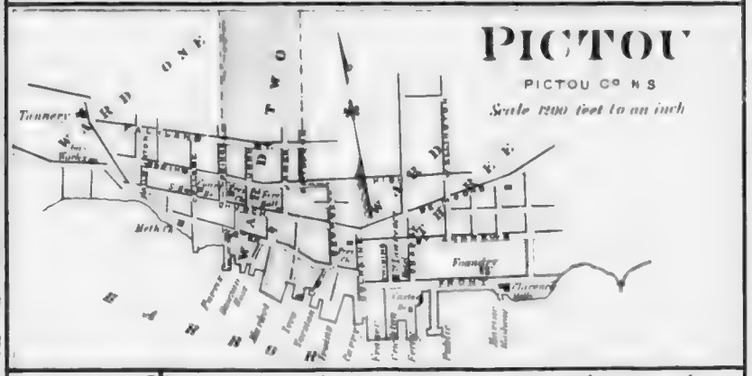
WOODSTOCK
CARLTON Co N B
Scale 1200 feet to an Inch
ST JOHN
RIVER
NEW BRUNSWICK RAILWAY
TROTTING PARK


ST STEPHEN
CHARLOTTE Co N B.
Scale 1200 feet to an inch
KINGS WARD
DUKES WARD
CALAIS
ST CROIX RIVER
MILLTOWN
NEW BRUNSWICK
CANADA RAILWAY
Dennys Stream

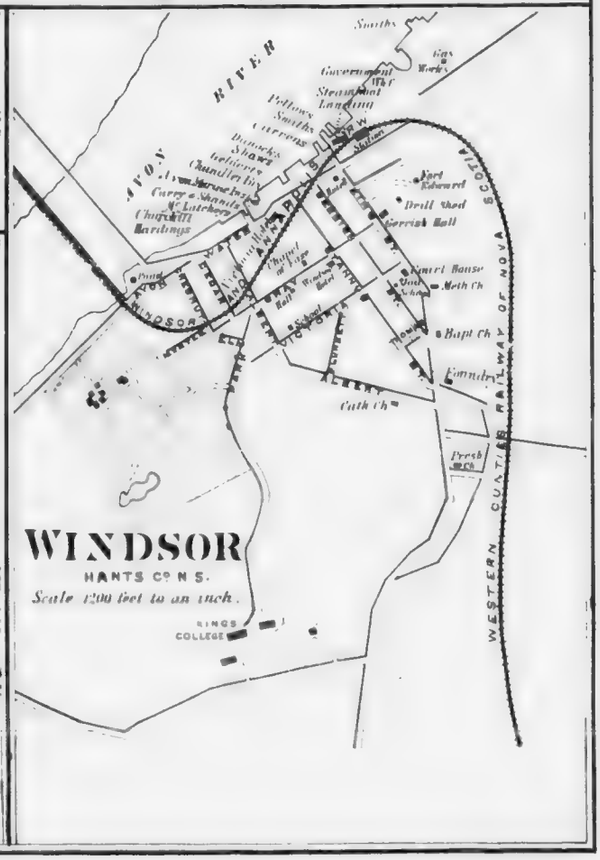

Military Grounds
Fort
ST ANDREWS
CHARLOTTE Co N B
Scale 1200 feet to an Inch
HARBOR
Deep Sea Wharf


YARMOUTH
YARMOUTH Co N.S.
Scale 1500 feet to an inch
MOUNTAIN CEMETERY
YARMOUTH HARBOR


AMHERST
CUMBERLAND CO
N.S
Scale 1200 feet to an inch
INTERCOLONIAL RAILWAY
TROTTING PARK


PICTOU
PICTOU Co N S
Scale 1200 feet to an inch
WARD ONE
WARD TWO
WARD THREE
Foundry

TRURO
COLCHESTER CO
N S.
Scale 1200 ft to an inch
WARD ONE
WARD TWO
WARD THREE
INTERCOLONIAL RAILWAY
PICTOU BRANCH R.R.
Station


WINDSOR
HANTS Co N S.
Scale 1200 feet to an inch.
AVON RIVER
WINDSOR
KINGS COLLEGE
WESTERN CUNARD RAILWAY OF NOVA SCOTIA
Gas Works
Drill Shed
Garrison Hall
Court House
Meth Ch
Bapt Ch
Foundry
Cath Ch
Presb Ch

PATRONS' BUSINESS DIRECTORY.

A Classified List of the Principal Business and Professional Men and Residents.

ALBERT CO., N. B.

ALMA.

[illegible]
NATHAN CLEVELAND, [illegible]
[illegible]
[illegible]
[illegible]
THOS. KELLESTEAD [illegible]
[illegible] KELLY [illegible]
[illegible]
WESLEY MATTHEWS [illegible]
JAMES [illegible]
A. MCLEAN [illegible]
SUTHERLAND & STEWART, Blacksmith

COVERDALE.

Manufacturers, Merchants, &c.

SOLOMON BERRY, Hotel Keeper and [illegible]
[illegible]
REV. [illegible] THELMOLL [illegible]
[illegible] THELMOLL [illegible]
GEO. A. THELMOLL [illegible]
JAMES A. [illegible]
[illegible]
NATHAN HOWE, [illegible]
JOHN [illegible]
A. [illegible] STEVENS [illegible]
[illegible]
CHAS. TUPPER [illegible]
WALLACE & CALLISTER [illegible]
[illegible]
DAVID SMITH, [illegible]

Farmers.

[illegible] CHAPMAN [illegible]
DAVID [illegible] "
WM. SMITH "
NOAH STEVENS [illegible]
JOHN W. [illegible]
[illegible]
[illegible]
A. W. TELLMAN [illegible]
EDWARD [illegible]
NATHAN [illegible] STEVENS [illegible]
JOHN H. [illegible]
WM. S. HOLLETT [illegible]
[illegible]
[illegible] HOLLETT
HANNAH HOWE [illegible]
[illegible] STEVENS
[illegible] MCELLINS
THOS. CANNING [illegible]
JOHN SWEET [illegible]
GEO. H. MORELSEY [illegible]
[illegible]
[illegible] CANNING [illegible]
[illegible] STEVENS [illegible]
[illegible] GASKIN [illegible]
WM. [illegible]
GEO. WILSON "
[illegible] DAWELL [illegible] "
HENRY [illegible] "
[illegible] STEVENS [illegible]
ISAIAH [illegible]
ABRAHAM [illegible]
[illegible] SMITH [illegible]
HOWARD [illegible]

ELGIN.

Farmers.

[illegible] ALLEN, [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
WM. [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

STEPHEN HOPPER.
WM. HOWARD.
JOHN A. JONAH.
NEWTON JONAH.
SAMUEL K. LANE.
JOHN MAGEE.
R. D. ROBINSON.
JOHN B. SMITH

Merchants.

[illegible]
[illegible]
[illegible]
[illegible]

Miscellaneous.

[illegible]
[illegible] KENNEY [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
JAMES [illegible]
WM. WILLMORE [illegible]

HARVEY.

Farmers.

JAMES [illegible] BALLER [illegible]
[illegible]
[illegible]
[illegible]
EDWARD [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
JAMES HAYS [illegible]
ELIJAH KINNEY [illegible]
[illegible]
THOS. W. KINNEY [illegible]
WM. VANSTEED
JAMES M. VANDAY
JAMES M. [illegible]VAN [illegible]
JOHN M. KENNEY [illegible]
THOS. MORELSEY [illegible]
[illegible]
WAKKEN [illegible]
WM. [illegible]
A. D. SMITH, [illegible]
BENJ. SMITH [illegible]
GRANVILLE SMITH, [illegible]
[illegible]
JAMES A. SMITH [illegible]
[illegible] SMITH [illegible]
JOHN C. SMITH [illegible]
SAMUEL [illegible] STEVENS, [illegible]
[illegible] STEVENS [illegible]
STEVENS & [illegible]
[illegible]
GEO. [illegible]
ISAIAH [illegible]
JAMES [illegible]
[illegible]
[illegible]
A. WELLS, [illegible] Agent, [illegible]
WM. A. WEST, [illegible]
STEPHEN WILBAND, Germantown.
HENRY WILBUR, New Horton.
JOHN WILBUR, Harvey Corner.
KINNEAR WILBUR.
WM. WILLIS, New Horton.

Mechanics.

EDWARD & [illegible] WEBSTER [illegible]
[illegible] WEBSTER, [illegible]
JOHN CANNON, [illegible]
JAMES [illegible] New Horton.
W. H. W. FLOOD [illegible]
CHAS. MCCLELLAN [illegible]
CHRISTOPHER FORD, [illegible] New Horton.
GEO. M. FORD, [illegible]
[illegible]
JAMES W. FORD, [illegible] New Horton.

Merchants.

M. C. ANDERSON, New Horton.
W. H. A. CASEY, Leather Manufacturer, Boot and Harness Leather constantly on hand, Harvey.
HARDING GRAVES, Clerk, Harvey Corner.
ALFRED STEVENS, "
L. M. STEVENS, Merchant and Postmaster, Harvey Corner.
ALFRED [illegible] DUFFY, [illegible]
GEORGE [illegible] O'NEILL, M.D.P., Merchant and Ship Builder, Harvey Corner.
[illegible] O'NEILL, Harvey Corner.

Miscellaneous.

REV. T. A. BLACKADER, Harvey.
REV. [illegible] W. CARPENTER, New Horton.
MRS. [illegible] W. KINNEY, Dealer, Harvey Corner.
[illegible], Manager, [illegible], New Corners, Mary Land, Harvey.
W. [illegible] ARRELL, Legislative Hotel Keeper, Stage Passage, Harvey.
[illegible] STEVENS, Dealer, Harvey Corner.
MANNING [illegible] LEY, [illegible] Dealer in Books, "
[illegible] WATSON, " Harvey Corner.

HILLSBOROUGH.

Farmers.

[illegible] CARLISLE, Elgin's Landing.
[illegible] CARLISLE "
SAMUEL [illegible] JENKINS, Sussex.
CHARLES LEWIS "
[illegible] HAPPY
HUGH STEVENS, [illegible]
[illegible] WALLACE, [illegible]
[illegible] HALLETT, [illegible]
[illegible] STEVENS, [illegible]
WALTER [illegible] STEVENS, "
WILLIAM [illegible] STEVENS, "
[illegible] EVANS, [illegible]
MILTON STEVENS, Hillsborough.
[illegible] DAWSON, "
[illegible] STEVENS, [illegible]
SAMUEL MCCOY STEVENS, [illegible]
[illegible] LIVINGSTON, Agent, Mines.

Manufacturers and Mechanics.

ALBERT MANUFACTURING CO., [illegible] Agent, Manufacturers of [illegible]
THOMAS BECK, [illegible], Elgin's Landing.
JAMES BLAKE, [illegible]
WM. [illegible] BLAKE, "
JAMES [illegible] BLAY, [illegible], Sussex.
THOMAS [illegible] BLAY, "
ROBERT [illegible] DUFFY, Blacksmith, Hillsborough.
A. W. KINNEY, [illegible]
DANIEL M. KINNON, [illegible]
JAMES [illegible] ANNISON, [illegible], Elgin's Landing.
JAMES [illegible], Hillsborough.
MARSHALL SMITH, Carpenter, Hillsborough.
THOMAS STEVENS, Mason, "

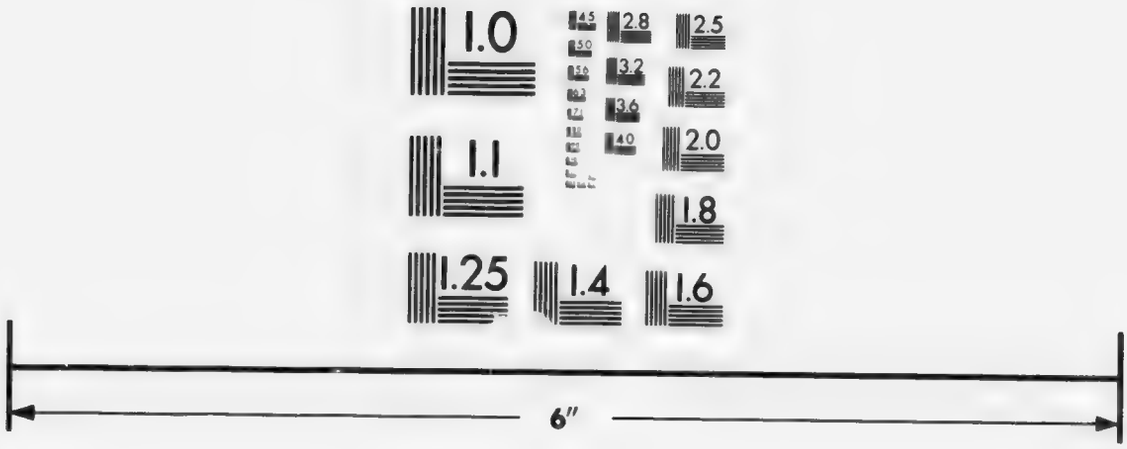
Manufacturers.

JOHN [illegible] STEVENS, [illegible] and Shoemaker, Hillsborough.
[illegible] NAH, Carriage Maker, Hillsborough.
W. [illegible] STEVENS, [illegible], Hillsborough.
JOHN [illegible] TAYLOR, Carriage Maker, Hillsborough.

Merchants.

I. A. BEATTY, Dealer in Drugs, Paints, Oils, &c., Hillsboro.
WM. H. DUFFY, General Merchant, "
I. I. O'NEILL, [illegible] and Dealer, "
W. I. STEVENS, Hotel Manager, "
GEO. STEVENS, Elgin's Landing.
[illegible] STEVENS, [illegible], Hillsboro.
[illegible] STEVENS, [illegible], Hillsboro.
[illegible] DAN STEVENS, Hardware, [illegible] Stove Dealer, Hillsboro.
WM. WOODWORTH, Sussex.
ABRAHAM STEVENS, [illegible] and Lumber Dealer, Salem.
[illegible] STEVENS, [illegible], Sussex.
W. H. SHAW, [illegible], Hillsborough.
[illegible] KINNEAR, [illegible], Long Creek.
EDWARD WOODWORTH, [illegible], Westfield.
[illegible] SMITH, [illegible]
[illegible], [illegible], Hillsborough.

IMAGE EVALUATION
TEST TARGET (MT-3)



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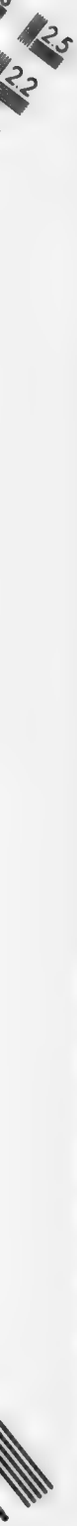
23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503



Miscellaneous.

DR. R. B. ANDERSON, Dentist.
CHIPMAN BISHOP, Teacher. Surray.
JAMES BLIGHT, Mining Engineer. Hillsboro'.
W. M. BUCK, Civil Engineer. "
W. D. MANSFIELD, Proprietor of Mansfield House.
EDWARD JONES, Proprietor Bay View Hotel.
W. I. JONES, Teacher. Edgett's Landing.
J. E. PECK, Proprietor Livery Stable, near P. O., Hillsboro'.
HOWARD STEEVES, Teacher. Edgett's Landing.
J. TRUMAN STEEVES, Teacher. Hillsboro'.
DAVID WALLACE, Contractor. "
WILLIAM WALLACE, Collector of Customs. Hillsboro'.
THOS. McHENRY, Secretary Albert Railway Company.
JOSHUA STEEVES, Farmer and Postmaster. Salem.
E. TINGLEY, Auditor, &c., Albert Railway Company. Hillsborough.
JOHN STEVENS, Farmer and Postmaster. Rose Vale.
GEO. H. BAIZLEY, Blacksmith. Baltimore
DR. C. A. ANDERSON, Dentist. Sackville.
JOHN WILSON, Farmer and Postmaster.
DR. W. J. LEWIS, M.P.P., Physician. Hillsborough.
DR. W. H. WALLACE, Physician. "
ANTHONY STEEVES, Contractor. "
E. B. KETCHUM, Mining Agent Albert Mines.
S. M. HICKS, Clerk "
JOHN SMITH, Miner "
JAMES ROBERTSON, Miner "
JOHN HOLMES, Miner "
ROBERT NELSON, Engineer "
GEO. BURGOYNE, Miner "
EDWARD HAY, Machinist "
CALVIN McKAY, Carpenter "
JAMES SIMPSON, Merchant. "
JAMES W. BISHOP, Teacher. "

HOPEWELL.

Barristers and County Officers.

GEO. CALHOUN, Recorder of Deeds. Hopewell Cape.
SILAS LYNDE, High Sheriff. " "
S. G. MORSE, Barrister-at-Law. " "
M. B. PALMER, " " "
CHAS. A. PECK, " " Hill.
GEO. H. STEADMAN, Barrister-at-Law and Postmaster. Hopewell Cape.

Farmers.

SILAS BISHOP. Hopewell.
WM. BLACKER. Lower Cape.
SAMUEL BLAKE. Hopewell Cape.
ABRAM BRAY. Lower Cape.
JOSEPH CALHOUN. Lower Cape.
S. J. CALHOUN. Hopewell Hill.
S. S. CALHOUN. Lower Cape.
J. T. CALHOUN. Hopewell Cape.
WM. CLEVELAND Lower Cape.
THOS. F. DIXSON. "
LEVI DOWNEY. Curryville.
WALTER R. GILBERT. Hopewell Hill.
E. S. GODFREY. " "
ROBT. GODFREY. Hopewell
GEO. M. HOAR. " Hill
WESLEY HUNT. " Corner.
THOMAS JAMISON. Curryville.
MICHAEL KEIVER, JR. Riverside.
JOHN E. McLELLAN. "
THOMAS McLELLAN, "
G. J. C. Mcgrikl.. Lower Cape.
W. H. MURRAY. Curryville.
THOS. PEARSON. Riverside.
ELISHA PECK, JR., ESQ. Hopewell Hill.
ALFRED REED. Riverside.
GEO. W. RICHARDSON. Hopewell Hill.
DAVID H. ROGERS. " "
CALVIN SMITH. " "
CHESLEY SMITH. " "
ROBT. W. SMITH. Riverside.
VALENTINE SMITH. Hopewell Hill.
EDWARD STEVENS. Riverside.
JAMES STEVENS. Hopewell Hill.
GEORGE STILES. " Corner.
MARINER M. TINGLEY. Hopewell Hill.
JOHN W. TURNER. Hopewell Corner.
JUDAH WELLS. Riverside.
SPURGEON C. WELLS. Lower Cape.
WILLIAM WHITE. Hopewell Corner.
WELLINGTON WILBUR. Riverside.
LEVI WOODWORTH. Hopewell Hill.
HUGH WRIGHT. Lower Cape.

Hotels.

F. B. RITCHIE. Hopewell Corner.
GEO. W. SHAW Union Hotel. Hopewell Corner.

Merchants.

ANDREW ANDERSON, Lumber Manufacturer and Shipper. Hopewell Corner.
ATKINSON & SON. Hopewell Corner.
BACON & McALMON. Hopewell Hill.
JAS. A. BROWN, Stoves and Tinware. Hopewell Corner.
JAMES CARNSWORTH. Riverside.
I. E. DICKSON. Hopewell Corner.
HON. A. R. McLELLAN. Riverside.
GEORGE MILLBURN, also Shoemaker. Hopewell Corner.
JOHN E. MONTGOMERY, Tailor. Hopewell Corner.
ALEX. ROGERS, M.P. Hopewell Hill.

Mechanics.

W. A. BRUWSTER, Shoemaker. Hopewell.
WM. BUCHANAN, Carpenter. Hopewell Corner.
[illegible] Hopewell Corner.
L. R. MOORE, Carpenter. Hopewell Hill.
JAMES NEWCOMB, Shipwright. Riverside
EDWARD J. O'BRIEN, Carpenter. Hopewell Cape.
SAMUEL STANNARD, Carpenter. Cape.
HUSTEN STEWART, Blacksmith. Hopewell Hill.
JAMES STEWART, Blacksmith. Hopewell Cape.
SAMUEL STEWART, Boot and Shoe Maker. Hopewell Cape.
J. C. WELL, Carpenter. Lower Cape.

Physicians.

HENRY H. COLEMAN, M.D. Lower Cape.
S. C. MURRAY, M.D. Hopewell Corner.

Miscellaneous.

MARINER BISHOP, Sea Captain, Lower Cape.
CHAS. W. DICKSON, Master Mariner. Hopewell Cape.
NATH'L DUFFY, A.B., Teacher. Hopewell Hill.
JOHN K. HOAR, Stewart. Hopewell Hill
JOHN F. MILTON, Proprietor of Champion Freestone Quarry. Curryville
S. B. OULTON, Master Mariner. Hopewell Corner.
W. C. PIPES, Postmaster. Hopewell Corner.

CHARLOTTE CO., N. B.

DUFFERIN.

CHAS. C. YOUNG, Farmer and Stevedore. Ledge.
F. G. HANNAH, " "
WM. H. DICKEY, " "
WM. B. CONNOR, " "
CALVIN NASON, " "
WM. HILL, " "
JAMES DONALD, SEN., Farmer. St. Stephen.
D. F. MAXWELL, Civil Engineer, "
IRA BROWN, Farmer, "
LAWRENCE BARTON, Farmer, "
THOS. S. HANNAH, " "

DUMBARTON

PATRICK DEVOY, Farmer, Dumbarton,
JOHN COLLINS, " "
STINSON PERKINS, " "
WM. H. EMERSON, " "
JAS. McCLYMONT, " "
WM. SCULLIN, " "
JOHN SCULLIN, " "

GRAND MANAN.

Hotel.

MARBLE RIDGE HOTEL, Jas. A. Pettas, Proprietor, North Head.

Merchants.

THOS. REDMOND, North Head.
W. E. TATTON, " "
SANFORD RICHARDSON, North Head.
ISAAC NEWTON, Woodward's Cove.
I. W. WOOSTER, Seal Cove.
WM. RUSSELL, " "
D. R. FRYE, Grand Harbor.

Manufacturers and Mechanics.

MOSES BAGLEY, Lumberman, Seal Cove.
SIMEON DAGGETT, Carpenter. " "
B. FLAGG, Carpenter, North Head.
JAS. S. YOUNG, Carpenter, North Head.
JAS. F. DUNLAP, Ship Carpenter, North Head.
SIDNEY BANCROFT, " " "
ALLEN M. FLAGG, Farmer and Carpenter, North Head.
G. A. TAPLEY, Blacksmith, Woodward's Cove.

Miscellaneous.

F. A. CHENEY, Farmer and Fisherman, Woodward's Cove.
I. W. KENT, Light house Keeper, North Head.
W. H. KENT, Captain of Steamer "Wm. Stroud," North Head.
G. B. NOYES, M. D., Physician, North Head.
JAS. TATTON, Keeper of Fog Whistle, North Head.
MAGNUS GREEN, Justice of the Peace, "
I. H. KENT, Sea Captain, " "
S. J. JENKINS, Teacher, " "
EVAN CAMERON, Woodward's Cove.
W. B. McLAUGHLIN, Commissioner of Fisheries and Lighthouse Keeper, Seal Cove.
HUDSON L. GUPTILL, Grand Harbor.

Farmers.

ALEX. GILMOR, North Head.
DANIEL GREEN, also Mill Owner, North Head.
NOAH SCOTTFIELD. " "
OMAR F. THOMAS " "
DAVID JOHNSTON, Farmer, " "

MILLTOWN.

Merchants.

JAMES CORBETT, Grocery and Provisions.
EATON BROS., Dry Goods, Groceries, &
CHAS. F. TODD, Dry Goods, Groceries, &

Manufacturers.

I. D. ANDREWS, Manufacturer of Edge Tools, Narrow Axes, [illegible] Gauges, Broad Axes, &c., & [illegible] the best material.
E. BROAD & SON, Manufacturer of Superior Cast Steel Axes and Edge Tools.
JAMES CROSSETT, Manufacturer of Carriages, Wagons, and Vehicles of all descriptions. Repairing promptly attended to. Union Mills, Milltown, N. B.
RAY & HENNIGAR Successors to C. Blackton, Manufacturer of Saws. Our saws are made from the best English Steel. Patent ground and warranted. Repairing promptly attended to.

Lumber Manufacturers.

EATON BROS., Manufacturers of Lumber, Calais, Me. Particular attention paid to cutting Dimension Orders. Spruce, Pine and Hemlock Laths and Pickets. Also, Cedar Shingles and Boards constantly on hand
GEO. C. McALLISTER, Manufacturer of Lumber.
CHARLES F. TODD, Manufacturer of Lumber.

Residents.

GEO. F. TODD.
J. W. WHITNEY.

Miscellaneous.

W. W. GRAHAM, Foreman for G. F. Todd.
ALBION HARMAN, Boom Master.
JAMES KING, Millwright.
DANIEL McDONALD, Merchant Tailor, Importer and Dealer in West of England and Scotch Cloths and Gentlemen' Furnishing Goods
JAMES PIPER, Millman.
E. S. SMITH, Carpenter
D. SUTHERLAND, Boot and Shoemaker.

SAINT ANDREWS.

Attorneys and Barristers.

G. S. GRIMMER, Barrister and Clark of Peace.
G. D. STREET, Barrister.
BENJ. R. STEVENSON, M. P. P., Barrister.

Boots and Shoes.

I. M. HANSON, Boot and Shoe Manufacturer.
W. SNODGRASS, Dealer in Boots and Shoes.

Baker.

J. CLARK, Baker and Dealer in Groceries and Provisions.

Dry Goods.

THOS. TURNER ODELL.
JOHN S. MAGEE.

Grocers.

SAMUEL BILLINGS, Grocer and Shipping Master.
THOMAS BLACK, Groceries, Crockery, &c
I. R. BRADFORD, General Groceries.
I. P. BECKERTON, General Groceries.
D. CLARK, General Groceries and Baker.
D. F. CAMPBELL, General Groceries.
PATRICK B. DONAGHUE, Groceries and Liquors.
PATRICK McLAUGHLIN, General Grocery.
E. S. POLLEYS, Groceries, Hardware, &c. Agent Insurance and Express Agent.
ROBERT ROBINSON, of Robinson & Green, General Groceries.

Hotels.

KENNEDY'S HOTEL, Angus Kennedy, Proprietor, near Railway Station and Steamboat Wharf.
MORRISON'S HOTEL, Wm. Morrison, Proprietor.
PASSAMAQUODDY HOUSE, Mrs. E. McLeod.

Livery Stables.

W. H. WHITLOCK, rear of Magantic Hotel.
W. E. MALLORY, opposite Kennedy's Hotel.

Liquors.

W. D. FOSTER, Wholesale Liquor Dealer
PATRICK B. DONOGHUE, Retail Liquors and Groceries.

Physicians.

HARRY GOVE.
NEVILLE G. D. PARKER.
J. A. WADE.

Miscellaneous.

ROBERT ALEXANDER, Carriage Maker.
COCKBURN BROTHERS, Druggists and Apothecaries.
JAMES F. COVEY, Teacher.
ROBERT DENSMORE, Farmer.
C. M. GOVE, Collector of Customs.
H. H. HATCH, Registrar of Deeds.
W. D. HART, Canned Goods Manufacturer.
MARK HALL, Deputy Sheriff and Jailor.
HOWARD HANNAH, Sail Maker.
C. M. LAMB, Agent of N. B. & C. Railway.
I. M. MULLIGAN, Books, Stationery, &
THOMAS McCRACKEN, Painter.
JAMES McKINNEY, Merchant Tailor.
ALEXANDER T. PAUL, Sheriff of Charlotte County.
THOMAS RICHARDSON, Station Porter N. B. & C. Railway.
A. W. SMITH, Editor and Proprietor of [illegible]
GEO. F. STICKNEY, Watchmaker, Jeweler and Optician.
E. SAUNDERS, Variety Store.
[illegible] STINSON [illegible]
NATHAN N. TREADWELL, Carpenter and Undertaker.
THOS. TOWNSEND, Ship Carpenter.
JAMES VROOM, [illegible]
JOHN WREN, Master Mariner.

Farmers.

GEO. MOWATT, St. Andrews.
HARRY MOWATT, "
WALLACE TOWNSEND, St. Andrews.
WM. SIMPSON, "
ALBERT GOW, "

ST. CROIX.

Farmers.

BENJ. JOHNSON, Bayside.
H. R. HITCHINGS, "
W. H. RIDEOUT, "
JAMES RUSSELL, "
CHAS. E. MOWATT, St. Croix.
WM. CLARK, Oak Bay.
H. F. LEEMAN, Waweig.
ALEXANDER HAWTHORN, Waweig.
EDWIN ARMSTRONG, "
JOHN G. SIMPSON, "
MOSES J. GREENLAW, J. P., "
DAVID JOHNSON, also Blacksmith, "
J. HENRY SIMPSON, " "
WM. J. SIMPSON, "
WM. T. "
ALEXANDER HENRY, "
SAMUEL C. BARTLETT, "

Miscellaneous.

ROBERT RICHARDSON, Section Foreman N. B. & C. R. W., Waweig.
JOHN TOFTS, Section N. B. & C. R. W., Waweig.
SAMUEL NIXON, Millman, "

ST. DAVID.

Merchant.

GEO. F. BEACH, Tower Hill.

Manufacturers and Mechanics.

JOHN WILLS, Blacksmith, Oak Bay.
A. J. MORRELL, " "
H. H. REID, " "
RUSSEL J. DOTEN, Miller, "
J. D. DEAN, Carpenter and Wheelwright, Oak Bay.

Miscellaneous.

REV. W. C. RIDEOUT, Clergyman, Oak Bay.
FREDERIC SULLIVAN, Teacher, " "
A. M. SMITH, " " "
REV. W. E. VICKERY, Baptist Clergyman, Oak Bay.

Farmers.

JOSEPH A. SIMPSON, St. David.
JAS. McBRIDE, also Blacksmith, St. Stephen.
WILMOT S. THOMPSON, "
HUGH GREGORY, "
JOHN FLINTON, "
A. CLELAND, St. Stephen.
THOS. BELL, "
GEO. W. HALL, "
JOHN IRONS, Postmaster, Tower Hill.
HUGH A. MORRIS, " "
GEO. M. HYSLOP, " "
JAMES BROWN, " "
WM. G. MITCHELL, " "
FREDERICK CLENDENNIN, Moore's Mills.
STILLMAN SMITH, " "
WM. H. CONNICK, " "
JOHN V. JOHNSTON, " "
THOS. COTTRELL, M.P.P., Oak Bay.
DANIEL T. SMITH, " "
WM. McCARTHE, " "
ALBERT E. DAVIS, " "
WM. E. & W. BERRY, " "
WM. LEVAN, " "
JOSEPH LAVER, " "
JOHN LAVER, " "
JOHN McCLYMONT, " "
S. C. YOUNG, " "
JOHN JORDAN, " "
SILAS HAPPS, " "
HIRAM W. PUTH, " "
JAS. W. SMITH, " "
THOS. MURPHY, " "
HENRY SCHOOL, " "
ROBERT TOWERS, " "
JOHN FITZMAURICE, " "
GEO. TOWERS, " "
ROBERT SMITH, " "
ERIE & BRUCE SAWYER, " "
DAVID G. DICKEY, " "
ROBERT BLACK, " "
WM. WILSON, " "
WM. THOMPSON, " "

SAINT GEORGE.

Attorney and Barrister-at-Law.

GEO. M. SORLEY.

Dry and Fancy Goods.

A. S. BALDWIN.
C. McGEE.

Groceries, &c.

THOMAS BARRY.
ARTEMUS LATHAM.
WM. H. LOCKETT.
P. McVICAR.
JOHN McGIRR.
JOHN O'BRIEN.
W. SUTHERLAND.
G. STRICKENS.
L. W. YOUNG.

Hotels.

FRISBIE HOTEL, James Bogue, Proprietor.
DOMINION HOTEL, Thomas B. Goss, Proprietor.

Lumber Merchants.

K. P. GILMOR.
S. JOHNSON.

Miscellaneous.

Rev. E. DOYLE, Roman Catholic Clergyman.
THOMAS DICK, Physician.
HUGH LUDGATE, Commission Agent.
J. N. GREENE, Chief Engineer Grand South[illegible] Railway.
J. A. MORAN, Collector of Customs.
A. J. SEELY, Farmer.
TAYLOR & BLACK, Granite Works.
E. M. YOUNG, Druggist.

ST. JAMES.

WM. GILLESPIE, Railway Contractor, Moore's Mills.
D. B. MYSHRALL, M.D., Physician, " "
WM. DOUGLAS, Farmer, " "
JOHN A. MOORE, " " "
WM. S. MAXWELL, " " "
SAMUEL MILLERY, " St. Stephen.
BENJ. BEACH, " " "
JOSEPH ROBINSON, Farmer, Oak Hill.
HARRY G. GRIMMER, " " "
AARON COOK, " " "
EDMUND RUSSELL, " " "
ROBERT KING, " Baillie.
JAMES PALMER, " "
HARRIS E. MOORE, " "
GEO. H. STEWART, " "
JOSEPH ROBINSON, " and Teacher, Baillie
DAVID McLAUGHLIN, " "
ROWN NIXON, " "
WM. QUAID, " and Blacksmith, "
JAMES S. ROBINSON, " and Postmaster, "
WM. D. ROBINSON, " "
JOHN W. MANN, " and Mill Owner, "
[illegible] L. PETTINGILL, " "
JAMES JACKSON, " "
ROBERT REID, " "
WM. MARSHALL, " Lynnfield.
JOHN G. GETCHELL, " and Postmaster, "
THOS. G. ROBINSON, " Basswood Ridge.
NEIL CAMPBELL, " " "
WM. CAMPBELL, " " "
RICHARD ROSE, " " "
JOHN TAYLOR, " Lawrence Station.
JAMES DOW, " " "
FRANK E. RICHARDSON, Farmer, Lawrence Station.

SAINT STEPHEN.

Attorneys and Barristers.

L. A. MILLS, Attorney and Barrister.
M. MacMONAGLE, Attorney and Barrister.
M. N. McKUSICK, Attorney, Calais, Maine.

Banks.

SAINT STEPHEN'S BANK, R. Watson, Cashier.
JOHN F. GRANT, Assistant Cashier.
J. T. WHITLOCK, Accountant and Insurance Agent.

Boots and Shoes.

T. M. BOYD, Manufacturer and Dealer in Boots and Shoes.
S. T. CONNICK, Boots, Shoes, Hats, Caps, Groceries, &c.
G. W. SLOAT, Importer and Dealer in Hats, Caps, Furs, Boots, Shoes and Rubbers. Trunks, Valises, &c.

Books and Stationery.

C. H. SMITH, Direct Importer and Dealer in Books, Stationery and Fancy Goods, Room Papers, Fishing Tackle, Sheet Music and Cabinet Organs.

Custom House Officers.

H. WEBBER, Collector of Customs.
A. M. HILL, Surveyor, (Customs).
W. W. GRIMMER, Appraiser of Customs.

Crockery, Glassware, &c.

J. N. CLARKE & CO., Importers of, and Wholesale Dealers in Earthen, China, and Glass Ware, Cutlery, Plated and Britannia Ware, &c., Albion House.

Carriage Manufacturer.

B. R. DEWOLFE, Manufacturer of Carriages, Wagons, Buggies, Phaetons, Sunshades, and Vehicles of all descriptions.

Dry Goods.

A. CAMERON, Importer of Staple and Fancy Dry Goods, Gents' Furnishing Goods, &c.
P. CULLINEN, London House. Direct Importer of English, French and American Dry Goods, Wholesale and Retail.
H. CULLINEN, Golden Fleece. Importer of British and Foreign Dry Goods. Also, Wholesale and Retail Dealer in Domestic, Staple and Fancy Dry Goods, Carpetings, Blankets, &c.
SMITH & MURRAY, Wholesale and Retail Dealers in Dry Goods, Prints, Cottons, Flannels, Dress Goods, Shawls, Ready-made Clothing, and small wares in large variety.

Druggists.

SMITH & HARMAN, Wholesale and Retail Dealers in Drugs, Chemicals, Patent Medicines, Soaps, Perfumes, &c. (Watson's Brick Block.)
LOVE, CLARK & Co., Jobbers and Retail Dealers in Drugs, Chemicals, Proprietary Medicines, Brushes, Perfumes, &c.

Furniture Dealers.

YOUNG BROTHERS, Mottoes, Picture Frames, Feathers, Mattresses, Coffins and Caskets. Particular attention will be paid to Upholstering and Repairing.

Grocers.

C. H. CLERKE, Importer and Wholesale Dealer in Groceries, West India Goods, &c.
D. CRILLEY, Groceries and Provisions.
C. B. EATON, Wholesale and Retail.
S. T. CONNICK, Groceries and Provisions.
GANONG BROTHERS, Wholesale and Retail Confectionery and Groceries.
ALEX. JOHNSTON, Groceries and Liquors.
W. B. KING & CO., Importers and Wholesale Dealers in Groceries, West India Goods, &c.
HUGH McKENNA, Groceries and Liquors.
E. PRICE, Groceries and Provisions.
T. ARTHUR THOMPSON, General Groceries.
E. J. TRACY, Groceries and Provisions.

Hotels.

BARTLETT HOUSE, John T. Bartlett, Proprietor, Corner of King and Prince William Streets.
COMMERCIAL HOTEL, G. W. Foster, Proprietor, King Street, opposite the Depot.
QUEEN HOTEL.

Liquor Dealers.

JOHN CAMPBELL, Breen's Brick Block.
ALEX. JOHNSTON, Liquors and Groceries.
HUGH McKENNA, Liquors and Groceries.
McELROY & BELL, Wholesale and Retail.

Lumber Merchants.

Z. CHIPMAN.
F. H. TODD.

Merchant Tailor.

M. McGOWAN, Fashionable Tailoring. English, Scotch and Canadian Clothes. Ready-made Clothing, Gents' Furnishing Goods, &c., &c.

Newspaper.

ST. CROIX COURIER, David Main, Proprietor.

New Brunswick and Canada Railway.

HENRY OSBURN, Manager.
N. T. GREATHEAD, Cashier.
J. H. ROSE, Station Agent.
W. RAINE, Station Porter.

Painters.

ROBERT CLELAND, House and Sign Painter.
J. K. LAFLIN, House Painter and Sign Writer, also Dealer in Paints, Oils, Window Glass, Glazed Windows, Doors, Sashes, Shutters, &c.

Physician.

W. T. BLACK, M. D.

Residents.

PHILIP BREEN.
T. J. SMITH.

Miscellaneous.

JOHN A. BOYD, Blacksmith.
E. J. CRANGLE, Manufacturer of Steam Engines, Clapboard and Shingle Machines, Patent Gang Edgers and Gang Lath Mill. Kerr's Patent Feed Wheel. Mill Work and General Machinery.
JOHN E. FLAHERTY, St. Stephen's Foundry. Manufacturer of Stoves, Tin and Sheet Iron Ware. Plow Castings and Iron Railings of all kinds. All kinds of Stoves repaired. Stoves exchanged and Job Work attended to.
SAMUEL R. GILMORE, Carpenter and Joiner.
D. HAWTHORNE, Lumberman and Farmer.
J. M. HILL, Clerk, (Calais, Maine).
R. S. NICOLSON, Teacher.
S. F. NESBITT, Deputy Sheriff.
W. F. ROSE, Commissioner of Parish Court.
C. N. VROOM, Clerk.
J. E. MURCHIE, Grocer.
MATTHEW HANNAH & SONS, Architects.
CHAS. COGAN, Teacher.

Farmers.

GEO. H. MAXWELL.
D. McDONALD.
L. MAXWELL.
ELIJAH W. MAXWELL.
FOLLANSBEE EASTMAN.
GEO. THOMPSON.
JOHN WALKER.

WESTMORLAND CO., N. B.

BOTSFORD.

Merchants.

F. CRANE, Bayfield.
LEWIS AVARD, Flour Dealer, Bristol
WM. AVARD, Merchant, "
ADAM COPP, " "
THOS. F. LEGER, Trader, Cape Bald.

Manufacturers and Mechanics.

F. F. KIMBALL, Lobster Packer, Cape Bald.
D. B. PHALAN, Tinsmith, " "
DOROTHY CORMEA, " " "
CLARE ANSO, Engine Driver, " "
JOHN COMO, Miner, " "
JAMES CADMAN, Blacksmith, Bristol.
SAMUEL F. FIELDS, " "

Teachers.

JOHN I. MAHONEY, Emigrant Settlement.
J. L. RAWORTH, Upper Cape
JOHN FRIEL, Cape Bald
JUDE D. HEBERT, " "
NAPOLEON S. LEBLANC, " "
JOHN G. LAMB, Murray's Corners
SOPHIE M. SILLIKER, Fort Elgin.
WM. M. SPENCE, Buskirks

Farmers.

EPHRAIM ALLEN, Bayfield.
WM. G. ALLEN, "
JOHN N. ALLEN, "
WM. T. DICKSON, "
CAKKLTHA ALLEN, "
JACOB TINGLEY, Great Shemogue, (Bristol.)
LEWIS TINGLEY, " "
JOSEPH COPE, Farmer & Miller, " "
CHAS. AVARD, " "
A. C. AVARD, " "
FRANK CORMEA, " "
LORONG CORMEA, " "
JOHN I. NILES, " "
ANTHONY DUGAY, " "
BOWDEN CHAPMAN, Chapman.
STEPHEN ANDERSON, "
THOMAS AMOS, "
E. S. WELSH, Botsford.
CASIMER BRINE, " Portage
PATRICK MAHON, " "
JOHNSON ALLEN, Murray
ALFRED A. MURRAY, Murray Road
JAMES M. MURRAY, " "
JAMES STEPHENS, " "
ALEXANDER ROBINSON, Murray's Corner
ALFRED RAWORTH, Upper Cape
JOHN RAWORTH, and Lumberman, Upper Cape.
L. CORMEA, Cape Bald.
PETER L. CORMEA, " "
AMOS VOTOUL, " "
LAZARUS POIRIER, " "
WM. FAGAN, "
JAMES AMOS, Spence, North Shore.
JOHN PEACOCK, " " "
GEO. C. SPENCE, (also Miller), " "
JOB ALLEN, Farmer and Justice of the Peace.

DORCHESTER.

Attorneys and Barristers.

HIS HONOR, HON. E. B. CHANDLER, Lieutenant Governor of the Province of New Brunswick.
JOSEPH H. DICKSON,
D. L. HANNINGTON, M. P. P.
HICKMAN & EMERSON
CHARLES L. KNAPP
P. A. LANDRY, M. P. P.
A. F. COLLIN
J. E. LEWIS
ROBERT LOCKWITH, Law Student.

County Officials.

HON. BLISS BOTSFORD, Judge of County Court.
J. B. PECK, Esquire, Clerk of the Courts
WM. BACKHOUSE, Registrar of Deeds
A. E. OULTON, Esquire, Secretary of the Municipal Council
ALEXANDER ROBB, Treasurer of the Municipal Council
BLAIR BOTSFORD, Highway Commissioner
J. A. CHARTERS, Inspector
C. [illegible], Municipal
EDWARD [illegible]

Merchants.

[illegible]

Farmers.

THOS. H. GILBERT, "Willow Farm."
JAMES M. STEVES, Dover.
RALPH A. STEVES, "
RUFUS M. STEVES, "
D. STEVES, "
BENJ. McFARLANE, "
J. A. McFARLAND, "
WM. A. STEVES, "
J. DOBSON, "
C. R. COLPITTS, "
GEORGE DERNIER, "
THOMAS AYER, "
JONAS TAYLOR, Rockland.
W. COCHRANE, "
WILLARD LAWRENCE, Taylor Village.
CHARLES TAYLOR, " "
ALFRED TAYLOR, " "
THOMAS W. ADAMS, " "
EDWARD W. TOOL, Dungiven.
WM. P. LAWRENCE, "
ISAAC HICKS, Dorchester.
SOLOMON CROSSMAN, Dorchester.
GIDEON PALMER, "
I. I. PALMER, "

Manufacturers.

THOMAS ANDERSON, Carriages.
S. McDONALD, Boots and Shoes.
SAMUEL BISHOP, Carriages.
T. B. CALHOUN, Lumber
ANDREW M. PALMER, Miller
W. H. COWLARD
WILLIAM DIXON, Carriages.
GEORGE BISHOP & SON, Carriages.
R. A. CHAPMAN, Ship Builder.
WILLIAM HICKMAN, Ship Builder.
GIDEON PALMER, " "

Miscellaneous.

WILLIAM K. CHAPMAN, Ship Owner
S. W. TINGLEY, Postmaster.
WM. T. WILBUR, Proprietor of "Weldon House."
T. W. BELL, Proprietor of "Park Hotel."
S. A. McLEOD, Teacher.
GEORGE B. PHELAN, Teacher.
WILLIAM WILSON, M. D., Physician.
W. A. PATRICK, Mining Agent.
A. CAMPBELL, Dentist.
EDWD. C. PALMER, Tailor.
WM. DOBSON, Manager Stone Quarries
AARON MILLENS, Blacksmith
Rev. C. LEFABVRE, Principal of St. Joseph's College.
S. B. F. MALLETT, M. D., Physician, St. Joseph's.
F. GUADET, M. D., Mencamcook.
S. I. McDONALD, Tailor. "
JAMES CHAMBERS, Dorchester.
CAPT. JOSHUA KING, "
C. R. PALMER, Station Master, Dorchester.
J. G. McDONALD, Contractor, "
J. EDGAR HENDRY, Teacher, Memramcook.
ALEX. BLACK, Dorchester.

MONCTON (Parish of).

ABNER JONES, Farmer, Mill Owner, Lewisville.
FINLEY McDONALD, Farmer, Lewisville
GEORGE GIBSON " "
ELI HARRIS, " "
DANIEL HARRIS, " and Joiner, Lewisville.
CHARLES VINCENT, " "
CHAS. T. LOCKHART, " "
JOHN L. LOCKHART, Millman, "
AMASA M. MILLS, Farmer, "
B. C. LUTES, " "
ALLEN W. HOPPER, " "
GEORGE H. ALLEN, " Shediac Road.
JAMES ROGERSON, " " "
GEORGE ROGERSON, " " "
SILAS C. LOCKHART, " "
JAMES BOYD, " " "
W. HAZEN BROWN, " "
JAMES WALKER, " " "
THOS. FITZSIMMONS, " " "
H. B. LOCKHART, " " "
ROBERT GERRISH, " " "
JOHN O'NEIL, " " "
MARTIN CONNORS, " " "
JAMES M. DEVITT, " " "
A. W. NOBLES, Teacher, " "
JOSEPH LLOYD, Station Agent, Painsec Junction
SAMUEL CHARTERS, Farmer Moncton
THOMAS CHARTERS, " "
H. C. CHARTERS, Teacher, "
ALFRED S. CHARTERS, Farmer "
PETER HAKES, " "
JOHN B. BLANC, " Fox Creek
EUSTACHE BURK, Tanner and Shoe Maker, Fox Creek
PHILIP D. BURK, Lumber Manufacturer and Farmer, Fox Creek.
DENIS A. BOURGEOIS, Merchant, Fox Creek.
CASIMIR BOURGEOIS, Farmer "
JOHN LARKACEY, Farmer and Postmaster, Irishtown
JAMES P. DONAVAN, Farmer, Irishtown
ALEXANDER DUFF, "
DENIS GALLAGHER, "
JOB WILBUR, " "
ANDREW S. TURNER, " "
HIN GRANT, " "
JOHN KENNEDY " "
JOHN O'NEIL, " "
THOMAS H. MURRAY, Farmer and Lumber Manufacturer, Irishtown.
DENIS HOGAN, Tavern Keeper, Irishtown.
ALLEN D. MURRAY, Farmer, Scotch Settlement.
WILLIAM RITCHIE, House Joiner, Moncton.
ANDREW SOMERS, Farmer, Moncton
J. H. GUNNING, " "
SAMUEL STEEVES, " "
ISAAC WILBUR, " "
PETER WILSON, " "
ALFRED TRITES, " "
W. A. STEADMAN, " "
W. W. KEITH, Teacher, Lutz Mountain
JOHN N. LUTES, Farmer, " "
CHIPMAN TRITES, Farmer and Merchant, Lutz Mountain
ISAIAH TRITES, Farmer, Lutz Mountain.
LAFAYETTE JONAH, Farmer, Berry's Mills.
AARON STEEVES, Merchant, " "
VALENTINE AYER, " "
RICHARD LUTZ, Farmer, Steeves Mountain.
ELIAS ROGERS, " Indian Mountain
S. S. BAIZLEY, " Shangless
ROB'T C. KILLAM " Salisbury.
R. B. C. WELDON, " Boundary Creek.
AARON WILSON, " " "

MONCTON (town of).

Banks.

ROBERTSON & CO., Bankers. Main street.

Barristers.

HON. BLISS BOTSFORD, Judge of Co. Court. Main street.
BORDEN & ATKINSON. Robinson Block, Main street
HOLSTEAD & DICKSON. Main street.
R. BARRY SMITH. Main street.
C. A. STEEVES. Main street.

Physicians and Dentists.

R. G. BAXTER, M.D. Corner of Main and Alma streets.
ROBT. BOTSFORD, M.D. Corner of Main and Church sts.
H. A. JACOBS, M.D. Steadman street.
JAMES D. ROSS, M.D. Corner of Main and Church streets.
E. T. ROGERS, Surgeon Dentist. Main street, near Botsford.
THADDEUS SCOTT, M.D. Church street.

Hotels and Dining Saloons.

WELDON HOUSE, W. J. Weldon, Proprietor. Main street, near Railway Depot.
CABLE HOUSE, D. O'Regan, Proprietor. Corner Main and Foundry streets.
HORSMAN HOTEL, John W. Horsman, Proprietor. Corner Main and Foundry street.
AMERICAN HOUSE, W. R. Biggs, Proprietor. Main st., next door to Bank of Montreal.
NEW BRUNSWICK HOUSE, I. N. Wilbur, Proprietor. Duke street.
G. R. SANGSTER, Proprietor of I. C. R. Dining Hall. Railway station.
T. HAYES, Proprietor of I. C. R. Dining Saloon, near Railway Crossing, Main street.

Merchants, Dealers, etc.

A. I. BABANG, Wholesale Grocer. Duke street.
WM. CHRISTIE, Steam Baker. Lutz street
GEO. H. COCHRANE, Dry Goods. Dunlap's Block, Main street.
H. V. CRANDALL, Grocer. Post-office Building.
D. A. DUFFY, Importer and General Dealer in Dry Goods and Groceries. Corner Main and Duke and Main and Telegraph streets.
CHAS. W. EDGETT, Photographer and Dealer in Pictures and Picture Frames. Main street
JOHN B. ELLIOTT, Watchmaker, Main street
P. S. ENMAN, Dealer in Drugs, Medicines and Chemicals. Dunlap's Block, Main street.
E. M. ESTEY, Chemist and Druggist. Medical Hall, Main street.
JAMES FLANAGAN, Dry Goods. Main street
WM. F. FLEMING, Grocer and Agent Intercolonial Express Co. Main street, near American House
EDWARD FORBES, Dealer in Dry and Fancy Goods, Robinson's Block
W. C. GALLAGHER & CO., Dealers in Meats, Provisions and Country Produce. Upper Main street
T. U. GETCHILL, Dealer in Sewing Machines and Musical Instruments. Main street
A. GIRVAN, Grocer. Upper Main street
JOHN F. GOODERE, Merchant Tailor. Upper Main street, and Lower Main street
J. & C. HARRIS, Dry Goods Merchants, also Wholesale Dealers in Groceries and Provisions. Main street
RICHARD HIGMAN, Chemist and Dealer in Drugs and Medicines. Main street.
R. C. HOYT, Confectionery and Toys. Upper Main street.
GEO. A. HUESTIS, Dealer in Gents' Furnishing Goods, Shirts and Ties a specialty. Corner of Main and Duke sts.
M. B. KEITH, Confectioner and Light Grocer. Main street
ROBERT LEAMAN, Dealer in Meats and Provisions. Corner Main and Duke street.
MARR & COLPITTS, Dealers in Boots and Shoes. Main st.
D. A. McDONALD, Boot and Shoe Maker. Upper Main st.
R. D. McELMON, Watchmaker and Jeweler. Main street, Moncton and Amherst, N. S.
A. S. McKAY, Boot and Shoe Dealer. Main street
ALEX. McLEAN, Merchant Tailor. Corner Main and Vulcan street
ANGUS L. McLEAN, Merchant Tailor. Upper Main street.
D. McNAUGHTON, Jr., Harness Maker. Lower Main street.

Merchants, Dealers, &c.

GEO. McQUINN, Dealer in Boots, Shoes, Hats, Caps and Gents' Furnishing Goods. American House Block, Main st.
McSWEENEY BROS., Dealers in Dry Goods, Carpets, Furniture, &c., Main street.
PETER McSWEENEY, Jr., Dealer in Dry and Fancy Goods, Commercial Block, Main street.
J. H. NICKERSON, Watchmaker and Jeweler. Corner Main and Church streets.
C. E. NORTHRUP, Photographer and Dealer in Pictures and Picture Frames. Main street.
O'NEIL & CRUE, Boot and Shoe Dealers and Makers. Main street.
EBEN OLIVE, Druggist and Apothecary. Corner Main and Pleasant streets.
GEO. C. PETERS, Deputy Sheriff. Main Street
S. W. RAND, General Dealer. Main street
C. B. RECORD, Dealer in Stoves, Tinware, Silver and Plated Ware, etc. Main street. (See Manufacturers
THOS. ROBB, with C. B. Record.
E. A. RECORD, with C. B. Record.
JOSEPH RICHMOND, Proprietor of Meat Market. Upper Main street.
EZEKIEL TAYLOR, General Merchant. Lower Main st.
J. & S. WINTERS, Dealers in Stoves and Tinware. Main street, opposite Alma.
JACOB WORTMAN, Esq., Grocer and Police Magistrate Court Room, Duke street.

Manufacturers.

JONES BROTHERS, Lumber Manufacturers, Painsec Junc'n.
JOHN H. MARKS, Carriage Manufacturer. Mechanic street.
WM. GIVAN, Soda Water Manufacturer. King street.
C. B. RECORD, Foundryman, Manufacturer of Stoves, Agricultural Implements, &c., &c. Foundry street.
W. C. SNOW, Wool Carder and Cloth Dresser. Humphrey's Mills.
WM. S. TORRIE, Proprietor of Soap and Candle Manufactory. Bon Accord street.
JONATHAN WEIR, Proprietor of Machine Shop. Foundry street.

Printers and Publishers.

H. T. STEVENS, Proprietor of *The Daily and Weekly Times*, also Book and Job Printer. Botsford street.
J. R. NEEDHAM, Commercial Job Printer. Main street, next door to Post-office.

I. C. R. Railway Officials and Employees.

D. POTTINGER, Chief Superintendent of Intercolonial Railway.
JAS. COLEMAN, Superintendent East and Western Divisions.
A. BUSBY, Supt. Northern Division.
GEO. TAYLOR, General Freight and Passenger Agent.
P. S. ARCHIBALD, Engineer.
THOMAS FOOT, Accountant.
J. J. WALLACE, Auditor.
H. A. WHITNEY, Mechanical Superintendent.
L. B. ARCHIBALD, General Storekeeper
J. W. WALLACE, Assistant Auditor.
J. R. BRUCE, Chief Clerk Chief Superintendent's Office.
J. R. FRAZER, Storekeeper, Moncton
CHAS. H. VAIL, Clerk.
D. B. LINDSAY, Freight Agent at Moncton.
E. T. TRITES, Paymaster.
C. D. THOMSON, Cashier.
J. E. PRICE, Train Despatcher, Campbellton.
R. WAYCOTT, Train Despatcher's Office.

Miscellaneous.

I. W. BINNEY, Customs. Residence, Church street.
JOHN CAMERON, Carpenter. Vulcan street.
W. H. COLPITTS, Blacksmith. Corner King and Steadman streets.
J. CRANDALL, Postmaster. Main street.
W. J. CROASDALE, Civil Engineer. Union street.
G. I. DOBSON, Teacher. Lewisville.
MARTIN DOWLING, Farmer. Bridge street.
REV. W. J. FOLEY, Priest of St. Bernard (Catholic) Church. Botsford street.
A. S. FOSTER, Carpenter. Robinson street.
J. E. W. GLIDDEN, Hair Dresser. Main street.
H. D. GRAVES, Proprietor of Livery and Boarding Stable. Mechanic street.
WM. HODGE, Proprietor of Livery, Sale and Boarding Stable. Bon Accord street.
D. A. KING, Resident. Highfield street.
G. B. LUTZ, Resident. Cor. Main and Lutz streets
JAS. McALLISTER, Assistant Dominion Auditor. Botsford street
EDWARD McCARTHY, Blacksmith. King street
JOHN McKENZIE, Resident. Cor. Alma and Cross streets
STEPHEN MILLS, Esq., Blacksmith. Lewisville.
WALLACE R. PARKER, Carpenter. Bridge street.
WM. RITCHIE, Carpenter.
DUNCAN S. ROBERTSON, Resident. Telegraph street
JAMES ROBERTSON, Collector Customs. Main street.
W. I. ROBINSON, Robinson's Building, Main street
O. K. ROGERS, House and Sign Painter. Church street
ANDREW RUDDICK, Resident
JAMES C. RUSSELL, Resident, Corner of Main and Robinson Street.
HOWARD SCOTT, Resident. Cor. Main and Foundry Sts
J. E. STEADMAN, Town Marshall, Telegraph Street.
JAC. VAN BUSKIRK, Resident, Wesley Street.
SAMUEL C. WILBUR, Teacher High School, St. George Street
W. F. WILBUR, Manufacturer of Leather, Harness and Boots and Shoes, Lewisville.

SACKVILLE.

Merchants.

W. H. THOMPSON, Merchant, Upper Sackville.
JOHN W. SNOWDEN, Merchant Tailor, Sackville.
ROBT. AMOS, " " Midgic.

Manufacturers and Mechanics.

J. M. DOULL, Cabinet Maker. Sackville.
GEO. LUND, Carpenter, Crane's Corner, "
C. W. MILTON, Mill Owner, "
WM. MORRIS, Miller, "
ROBT. J. RUSSELL, Boot & Shoe Maker, "
ELISHA WHEATON, Blacksmith, "
B. B. TAIT, " Midgic.
RODERICK McLEOD, " Westcock.
EDWARD O'BRIEN, Lumberman, Cookville.

Teachers.

JOHN BURWASH, Professor of Chemistry, Sackville.
I. R. INCH, Principal of Ladies' Academy, "
REV. B. LONGLEY, Clergyman, "
RICHARD C. WELDON, "
CHAS. E. LUND, "
H. BERT HEUSTIS, "
JOHN KEENAN, Salisbury.
GEO. J. OULTON, Point De Bute.
JOSEPH READ, Bristol

Hotel.

G. B. ESTABROOKS & SONS, Hotel Proprietors, Sackville.

Miscellaneous.

HON. A. E. BOTSFORD, Senator from Westmorland Co., N. B., Residence, Sackville.
BLAIR BOTSFORD, High Sheriff, Westmorland County, N. B., Office, Dorchester; Residence, Sackville.
W. A. TRUEMAN Barrister at Law, "
DR. ALEXANDER FLEMING, Physician and Surgeon, Sackville.
DR. C. A. ANDERSON, Dentist, Sackville
JOHN T. CARTER, Deputy Inspector of Weights and Measures, Sackville.
C. G. PALMER, Land Surveyor, Sackville.
W. K. REYNOLDS, Editor *Borderer*, "
FRED. W. BOWES, Printer, "
W. C. MILNER, Editor *Chignecto Post*, "
G. C. FAWCETT, Agt. for Cabinet Organs, Upper Sackville.
ISAAC CROCKER, Steward of Marine Hospital, Sackville.
OAKLY J. PURDY, Mariner, "
J. L. BENT, Justice of the Peace, "
EDWARD COGSWELL, "
THOS. BABCOCK, "

Farmers.

JOHN FAWCETT, Jr., Sackville.
ISAAC N. EVANS, "
CYRUS HARPER, "
S. C. HARPER, "
SOLOMON CROSSMAN, "
A. C. PALMER, "
THOS. PATTERSON, "
AMOS PATTERSON, "
S. EDGAR DIXON, "
JOHN A. RICHARDSON "
ALBERT FAWCETT, "
WILBAND ESTABROOKS, "
R. WILSON, Jr., "
WM. F. GEORGE, Upper Sackville.
CHAS. W. GEORGE, " "
OVID WELDON, " "
JAMES POWELL, " "
CHAS. HICKS, " "
J. C. HARPER, Middle Sackville.
FRED. I. TINGLEY " "
JOHN SMITH, Lower Sackville.
THOMAS MILNER, Westcock.
BENJ. SNOWDEN, "
NATHAN HICKS, Midgic.
WM. SEARS, "
THOS. A. TINGLEY, "
EDWIN DIXON, "
MARINER HICKS, also Miller, Midgic.
JOSIAH FINNEY, "
JOHN SEARS, "
CLARENCE WHEATON, "
JAMES J. PATTERSON, "
RUFUS C. ESTABROOKS, Cookville.
WM. HARLEY SEARS, "
JOEL BENNETT, "
JOHN A. COOK, "
WM. H. COOK, "
JOHN LUND, also Miller, "
DANIEL TOWSE, "
STEWART McFEE, also Miller "
ALEXANDER ANDERSON, also Miller, Cookville.
C. C. BARNES, Wood Point.
HENRY P. BARNES, " "

SALISBURY.

Attorney and Barrister.

E. B. CHANDLER, Jr., Barrister and Notary Public, Petitcodiac

Physicians and Dentists.

F. MOORE, M. D., Physician, Salisbury
B. W. DUFFY, Dentist, Salisbury.
J. F. McMURRAY, Chemist and Druggist, Salisbury.

Merchants.

A. E. TRITES, Merchant, Salisbury.
ALEX. L. WRIGHT, Retired Merchant, Salisbury.

Manufacturers.

CLARK & CUSHING, Manufacturers and Dealers in Lumber, Salisbury.
S. S. COLPITTS, Agent of D. J. McLaughlin, Jr., Pollett River Mills.
HUGH DAVIDSON, Retired Lumber Manufacturer, Petitcodiac.
THOMAS FAIRWEATHER, Agent of McLaughlin & Wilson, Anagance, Kings Co.
L. O. MERRIAM, Lumberer, Petitcodiac.
E. & F. FOWLER, Tanners, "
W. A. WHEATON, Carriage Builder, Salisbury.

Blacksmiths.

STEPHEN HORSMAN, Salisbury.
J. G. KILLAM, Petitcodiac.
R. F. STEWART, Salisbury.

Farmers.

GRAFTON AYER, Petitcodiac.
JOSEPH BLEAKNEY, Wheaton Settlement.
S. W. BRANSCOMBE, Steeves Settlement.
WILLIAM BROWN, Pollett River.
VALENTINE BURNHAM, Salisbury.
JONATHAN T. COLPITTS, Forest Glen.
JOHN W. COLPITTS, Forest Glen.
JUDSON GODARD, Anagance.
JEHIAL HOAR, Salisbury.
D. M. HOPPER, North River.
GEO. JOHNSON, Petitcodiac.
JOHN T. JONAH, Petitcodiac.
DANIEL L. KEITH, Petitcodiac.
JAMES A. KEITH, Havelock.
J. W. McFEE, Intervale.
JAMES A. MORTON, Wheaton Settlement.
JAMES MULLIN, Petitcodiac.
J. W. POWELL, Keats
JOHN M. TAYLOR, Wheaton Settlement.
HENRY A. WHEATON, Wheaton Settlement.

Teachers.

JOHN KEENAN, Salisbury.
MILBURNE F. KEITH, Havelock.
S. JAMES WADDELL, Petitcodiac.
MANLY W. WILSON, Lewis Mountain.

Miscellaneous.

J. TAYLOR, Station Agent, Salisbury.
GRAY & WHEATON, Contractors, Salisbury.
C. A. HALLETT, Manager of Elgin Branch Railway, Petitcodiac
A. F. McDONALD, Hotel Keeper, Salisbury.
GEO. TODD, Watchmaker and Jeweler, Salisbury.
S. S. WILMOT, Land Surveyor, Salisbury.

SHEDIAC.

Barristers-at-Law.

W. A. RUSSELL.
PASCAL POIRIER, Ottawa, Ont.

Merchants, &c.

E. J. SMITH, General Merchant.
A. E. WILSON, Druggist.
JOSEPH GALLANT, Dealer in Liquor, Cigars, Oysters, &c.
A. M. LEGER, Watchmaker.
GEO. PELLITIER, General Merchant.
W. J. HANNINGTON, Merchant and Lumber Manufacturer.
C. H. GALLANT, General Merchant.
T. V. GALLANT, Watchmaker and Jeweller.
FEDEL POIRIER, Merchant.
M. HARNEY, Ship Chandler, Point DuChene.
JOHN McDONALD, Merchant and Stevedore, Point DuChene.
H. S. BELL & CO., Ship Chandlers, Point DuChene.
MAXIMILIEN POIRIER, Shediac Cape.
E. J. WELLING, Smith's W. O.
G. E. MILLS, Shediac Cape.
JAMES FRIER, Shediac.
CLEMENT LEGER, Watchmaker, Barachois.
T. F. SHERARD, Marble and Stone Dealer, Point DuChene.

Hotels.

JAMES D. WELDON, Proprietor of Weldon House, Shediac.
RUFUS BROWN, " " American House, Point DuChene.

Manufacturers.

HARPER & WEBSTER, Manufacturers of Boots and Shoes, Shediac Shoe Factory, Main Street, Shediac.
E. J. SMITH, Lumber.
THOMAS DOWLING, Lumber.
P. J. SWEENEY, Carriages and Sleighs.
T. W. BELL, Soap and Candles.
W. I. HANINGTON, Lumber.
RALPH SMALL, Carriages and Sleighs.
BOWEN SMITH, Lumber.

Farmers.

JOHN CASEY.
EDWARD MURRAY, Scotch Settlement.
ALEXANDER McLEAN, " "
ALEX. MACDOUGALL, Macdougall Settlement.
COLL MACDOUGALL, " "

Farmers.

JOSEPH GEGNON, Macdougall Settlement.
LUCAS LURATT, " "
MAXAMIN POIRIER, Welling's W. O.
HENRY BETTS, Shediac Cape.
WILLIAM R. WOOD, Smith's W. O.
SHERMAN J. WELLING, " "
WM. J. HANINGTON, " "
JAMES W. MILLS, Shediac.
JOHN CLARK, Shediac Road.
CHARLES BIRD, Shediac.
DOMINIQUE S. LEGER, Shediac.
PHILIP D. LEGER, "
THADDE LEGER, Barachois.
CLEMENT LEGER, "
LAURAT BOUDREAU, "

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W. B. DEACON, Auctioneer, and Commissioner Parish Court.
CHIPMAN W. SMITH, Postmaster.
FERD. ROBIDEAUX, Editor and Publisher of *Moniteur Acadien.*
E. G. HARSHMAN, Magistrate.
A. H. NEWMAN, Agent, Intercolonial Express Co.
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EDWARD MILLIKEN, Contractor.
S. D. ALLINGHAM, Conductor, I. C. R.
ALEXANDER McQUEEN, Customs Officer.
CHARLES HARPER, Surveyor of Lumber.
H. H. SCHAEFFER, Station Master, Pt. DuChene.
JOHN McKENZIE, Shoe Maker, Shediac Cape.
ENOCH HEWETT, Carpenter, " "
WILLIAM STEVENS, Railway Contractor, Shediac Cape
GEORGE J. JARVIS, D. D., Pastor of Shediac, Smith's W. O.
W. W. SPRAGUE, Master Mariner, Shediac.
E. FISHER, Miller, "
REV. P. BRADLEY, Priest, Tedish.
REV. T. M. VANNIER, " "
JAMES INGLES, Clerk, Shediac.

WESTMORLAND.

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CALSONEA, Port Elgin.
RICHARD M. ORR, Wry's Corner.

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ROBERT PRESCOTT, " "
H. FAULKNER, " "
JAMES HAMILTON, Port Elgin.
FRANK GOODEN, " "
C. T. BENT, " "
HAZEN COPP, " "
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A. McQUEEN, Mt. Whatley.

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STEPHEN B. GOODEN, Carpenter, " "
HIRAM TURNER, Miller, " "
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WILLIE W. WELLS, Point De Bute.
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DAVID GRANT, Port Elgin.
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GEO. SPRAGUE, Seaman, " "
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REV. DAVID C. LAWSON, Clergyman, " "

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EBENEZER SHEDDAN, " "
JOSHUA CHAPELLE, " "
ASHBURY GOODWIN, " "
GEO. C. COPP, Bay Verte.
JOHNSTON TURNER, Port Elgin.
[illegible], "
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JAMES DICKSON, Point De Bute.
ANDREW FROM, " "
ALBERT JONES, " "
A. C. CARTER, " "
TRUEMAN CARTER, " "
A. C. BROWNELL, Wry's Corner.
E. TINGLEY, " "
NATHAN H. SMITH, " "
NELSON OULTON, " "
ALFRED TINGLEY, " "
JACOB DOBSON, " "
RALPH DOBSON, " "
R. J. OULTON, " "
W. C. RAWORTH, Jolicure.
W. C. FILLMORE, Westmorland Point.
MARTIN CARTER, " "
THOS. LOWERSON, " "
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GEO. A. COATES, Teacher.
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J. W. DOHERTY, Physician.
JOHN W. HARNETT, Teacher.
JAS. JARDINE, Merchant.
JOHN JARDINE, Jr., Merchant's Clerk.
DAVID McALMON, Hotel Keeper.
WALTER MITCHELL, Blacksmith.
JOHN MURRAY, Merchant.
W. A. P. RHODES, Harness Maker.
J. G. ROSS, M. D., Physician.
JOHN TAYLOR, Resident
A. B. WHITE, Watchmaker.

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ANTOINE GIROUARD, High Sheriff.
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WM. MORRISON, Fish Preserver.
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CALEB RICHARDSON, Barrister-at-Law.
ALEX. ROXBOROUGH, Merchant.
C. J. SAYRE, Barrister-at-Law.
W. J. SMITH, Clerk.
J. C. VAUTOUR, Merchant.
VIERS & MERZERALL, Merchants.
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JOHN WHELEN, Hotel Keeper.

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R. B. CUTLER, Cooper.
Rev. J. D. MURRAY, Buctouche.
JOSHUA GAMBLE, McLaughlin's Road, St. Mary.

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GIDEON McLEOD, " "
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JOHN E. JONES, Farmer and Miller, "
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THOMAS C. BRUNDAGE, " "
HENRY WALTAN, Farmer, Granite Dealer and Postmaster, Upper Greenwich.
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A. W. CRABBE, Teacher, "
C. H. SCOVIL, Manufacturer, "
WM. J. ROSS, Carpenter, "
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GEORGE INCH, Farmer and Trader, Oak Point.
JOHN FLEWELLING, Farmer, "
JAMES SYMES, " "
JOHN KIRK, " "
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WILLIAM VINCENT, " "
J. A. WHELPLEY, Skate Manufacturer, "
JOHN LYNCH, Farmer, Petersville, Queens Co., P. O., Round Hill.
W. D. F. McKIEL, Farmer, Lilly Lake.
HOWARD GORHAM, " "
EZEKIEL BELYEA, " "
ALFRED BELYEA, " "
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JESSIE HARVEY, " "
PATRICK McKENNAY, " "
ABRAHAM PITTS, " "
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H. L. B. McKIEL, Miller, Trader and Postmaster. "

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W. FOWLER, Postmaster and Farmer, "
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ANDREW SHIRKWOOD, " "
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WILLIAM C. CRAWFORD, Clerk.
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JAMES H. STOCKTON, Farmer, Corn Hill.
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JOHN BROWN, " "
PATRICK SULLIVAN, " Perry Settlement
A. S. ELDER, Farmer and Postmaster, "
ROBERT McA. DOBSON, Farmer & Postm't, Thorne Brook
WM. I. FOWLER, Farmer, "

JOHN W. FOWLER, Carpenter, Butternut Ridge.
JONATHAN PERRY, Farmer and Shoemaker, "
GILBERT PERRY, Farmer, "
JONAH KEITH, " "
JAMES G. COREY, " "
ALEXANDER LOCKHART, " "
AARON KEITH, " "
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RICHARD MULLIN, " "
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GEO. H. MERRITT, " "

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NEIL McCARRON, " "
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JOHN WHITE, " White Head.
E. P. FULLERTON, " Long Reach
GILBERT C. WILLIAMS, " "
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WILLETT A. WILLIAMS, " "
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GEO. F. CRAWFORD, " "
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NORTON.

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WM. KEIRSTEAD, " "
JUSTUS H. GRAY, Esq., " "
ISAIAH KEIRSTEAD, " "
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JOHN J. SPRAGG, Farmer, Sherwood.
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S. F. RYAN, " "
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WILLIAM PEARSON, Farmer & Mfr. of Boots & Shoes "
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THOMAS QUIRK, Farmer & Hotel Keeper, "
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SAMUEL GOSLINE, " Smith's Creek.
CHARLES READY, " "
BROWN HARRISON, Merchant & Farmer, "
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JAMES RYAN, " "
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DAVID ROBINSON, " "
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JAMES McFARLAND, " "
PETER C. WRIGHT, " "
JOHN W. KEITH, " "
W. JOHN BEATEY, " "
EZEKIEL FREEZE, " "
DAVID SCOFIELD, " "
THOMAS O'BRIAN, " "
JOHN P. FOLKINS, " "

JOHN W. PATTERSON, Blacksmith, Millstream.
J. A. FENWICK, Postmaster, Trader & Farm. "
ELISHA J. WETHERBY, Blacksmith, "
D. J. DUNHAM, Mechanic, "
GEO. E. CASE, Teacher, "
JAMES SMITH, Miller & Farmer, "
ISAAC Z. FOLKINS, Shoemaker, "
LEWIS FOLKINS, Justice of the Peace & Farm., Millstream.
H. W. FOLKINS, School Teacher, "
AMOS KENNEDY, Farmer, Sussex.
JAMES E. LEIPER, " Carsonville.
ALEX. McLEOD, J. P., " "
PATRICK MORGAN, " "
JOHN A. LEIPER, " "
ISAAC GAUNCE, " "
GEO. W. SOPER, " "
JOSEPH MASON, " "
CHARLES GALEY, " "
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SAMUEL J. TAYLOR, " "
WILLIAM E. PARLEE, " "
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THOMAS McMILLAN, " "
JOHN ADDIE, " "
JOHN McMILLAN, " "
ALFRED MASON, " "
R. C. HUTCHINS, " "
HIRAM B. HAYES, " "
NUGENT DALEY, " "
PHILIP O'DONALD, " "
PATRICK FENTON, " "
MATHEW FORMAY, " "
JOSEPH E. WRIGHT, " "
MALCOLM MASON, " & Miller, "
W. G. GAUNCE, Teacher, Fredericton.

SUSSEX.

Attorney and Barrister-at-Law.

F. E. MORTON, of Morton & McLeod.

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DUNCAN BUCHANAN, Millwright, Apohaqui.
EDWIN CRAWFORD, Carpenter, Sussex Corner.
W. H. CULBERT, Nurseryman.
WM. DUNCAN, Painter and Grainer.
J. A. DYSART, Spring Bed Manufacturer.
GEO. EMMS, Foreman Shoe Factory.
JAMES GRIFFITHS, Farmer and Tanner. Campbell's Settlement.
J. L. HARRISON, Blacksmith. Rockville.
THOMAS HEFFER, Brick Manufacturer.
SAMUEL G. KYLE, Carriage Manufacturer.
ALFRED MARKHAM, Mining Superintendent. Markhamville
JOSHUA PRESCOTT, Lumberman.
WM. McL. SHARP, Blacksmith. Jeffries.
JAMES E. TRIBE, Carpenter.
GEO. E. TRIBE, Millman. Ward's Creek.
C. UPHAM, Leather Manufacturer.

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C. H. FAIRWEATHER, Druggist.
J. R. & J. E. SMITH, Merchants, Sussex Corner.
A. L. SPENCER, Dealer in Books, Stationery, Toys, Fancy Articles; also Job Printer and Insurance Agent.
J. THOMPSON, Merchant Tailor.
JAMES TITUS, Merchant.
WHITE & HUMPHREY, General Merchants.
H. A. WHITE, Merchant.

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O. R. ARNOLDS. Sussex Vale.
ROBERT BAXTER. Norton.
Col. G. B. BEER, Sussex Vale.
THOS. P. DAVIES. Sussex Corner.
JAMES FAULKNER. Poodiac.
JAMES FORSYTHE. Markhamville.
JOSEPH HALLETT. Sussex.
J. J. HERRETT, Lakefield.
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JAMES McFARLAND. Markhamville.
JOHN MILLS. Markhamville.
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WM. SHERWOOD. Lakefield.
PETER SNYDER. Sussex Corner.
J. H. SPEAR. Sussex Corner.
ABRAHAM STAPLEFORD. Ward's Creek.
RICHARD WALKER. " "

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STEPHEN JONES, Hotel Keeper. Apohaqui.
A. McLEAN, Proprietor Depot House, Opposite station, Sussex Vale.
JOHN A. RAMSAY, Hotel Keeper. Sussex Corner.

Miscellaneous.

NELSON ARNOLD, Dept. Surveyor. Sussex.
R. D. BOAL, Postmaster. Sussex Vale.
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ISAAC DEBOO, Resident
WM. DUNLAP, Teacher. Ratter's Corner.
GEO. W. FOWLER, Teacher
S. N. FREEZE, High Sheriff.
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ANGUS SILLERS, Teacher.
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B. P. TABOR, Teacher. Hampton
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G. H. WALLACE, Stipendiary Magistrate.

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CROSBY & RYERSON, Booksellers and Stationers.
E. A. FLINT, " " "

Clergymen.

REV. WM. ROBERTSON, Presbyterian Minister.
REV. GEO. W. BROWN, Pastor B. M. E. Church.
REV. ALEXANDER McGRIGOR, Congl. Clergyman.
REV. G. E. DAY, Pastor Baptist Church.
REV. JOHN READ, Methodist Clergyman.
REV. JOHN J. TEASDALE, Methodist Minister.
REV. WM. M. KNOLLIN, Free Baptist Clergyman.
REV. THOS. B. McLEAN, Clerk in Holy Orders.

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J. H. BAXTER, Proprietor Yarmouth Hotel.
E. C. CROWELL, Proprietor American House.
JOHN O'BRIEN, " Central House.

Insurance Companies.

ORIENTAL INSURANCE COMPANY, J. Hatfield, Secretary.
ATLANTIC " " John Killam, Secretary.
LLOYDS' AGENT, J. W. Moody.
YARMOUTH MARINE INSURANCE CO., G. B. Murray, Secretary.
COMMERCIAL INSURANCE CO., Geo. G. Sanderson, Secretary.
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Livery Stables.

JAMES BAIN, Stable Keeper.
GEO. H. WILSON, Livery Stable Keeper.

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ROBERT CRAWFORD, Brass Founder.
CHAS. E. EAKINS, Cigar Manufacturer.
JOHN MURPHY, Painter.
JAS. F. PATTEN, Cabinet Maker.
JAMES E. HUESTIS, Builder.
JOHN S. BAKER, "
G. J. MORTON, Plumber.
J. C. MOULTON, Builder.
FRANK C. HUESTIS, Cabinet Maker.
BENJ. ALLEN, Cooper.
JAC. SILVER, Cooper.
GEO. C. BENT, Stone Cutter.
JAS. A. WALLACE, Manufacturer of Mineral Waters.
S. C. HOOD, Watchmaker.
JOHN McMUNN, Gas Fitter and Plumber.
CHAS. SHERMAN, Blacksmith.
ALEX. MAGEE, Pattern Maker.

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D. B. ROBBINS, "
R. BELFOUR BROWN, Watchmaker and Jeweler.
W. S. MILDON, Grocer.
GEO. S. BROWN, Merchant.
N. J. B. TOOKER, "
W. H. MOODY & CO., "
A. W. DRYSDALE, Druggist.
J. T. HUTCHINSON, Tailor.
S. G. SWAIN, Watchmaker and Photographer.
WAITSTILL HILTON, Grocer.
JOHN G. HALL, Commission Merchant, Boston, Mass.
W. FRANK MOSES, Dry Goods Merchant.
EDGAR WILLS, Boot and Shoe Dealer.
A. S. HOOD, Photographer & Picture Frame Dealer.
GEO. S. TAYLOR, Tailor and Clothier.
SPINNEY, EAKINS & CO., Merchants.
CHAS. E. BROWN, Merchant.
EDWARD ALLEN, "
M. W. PERRY, Grocer.
JOSEPH R. KINNEY, General Agent.
J. H. MOSES, Grocer.
GEO. E. LAVERS, Merchant Tailor.

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E. K. KELLEY, Physician and Surgeon.
T. L. HALLETT, Surgeon Dentist.

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E. J. CLEMENTS, " "
A. J. T. CLEMENTS, " "
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A. C. ROBBINS, Shipping Merchant.
FREEMAN DENNIS, Ship Owner.
JAMES ADAMS, Sail Maker.
JOHN C. GRIDLEY, Ship Smith.
C. L. FROST, Sail Maker.
GEO. B. DOANE, Ship Owner.
WM. CAIN, Ship Master.
WM. D. LOVETT, Ship Owner.
R. M. ALLEN, Master Mariner.
JOSEPH BURRELL, Ship Owner.
A. LOVITT, " "
LYMAN E. CANN, Marine Master.

Teachers, &c.

G. J. FARISH, M.D., Inspector of Schools for the County.
L. E. EMBREE, Teacher. Principal of Yarmouth Seminary.
F. EARDLEY WILMOT, Teacher in the Marine School.

Miscellaneous.

THOS. B. CROSBY, Clerk of the Peace.
JAMES HUNTINGTON, Prothoneter.
HERBERT R. GOUDEY, Clerk.
W. H. G. TEMPLE, Accountant.
JAMES LAWSON, Book Keeper.
WM. McGILL, Clerk of Customs.
WM. V. BROWN, Justice of the Peace.
WM. FRAZER, Police Constable.
F. ALLEN, Expressman.
AMOS CROSBY, Supt. Gas Works.
GEO. BATES, Resident.
ARTHUR R. SUTTIE, Laundryman.
CHAS. H. BRYANT, Book Keeper.